The Hong Kong University of Science and Technology Academy of Interdisciplinary Studies An Example on Student's Pathway (as of August 3, 2023)

<< Declaration of Seng major Seng

		School of Engineering and School of Business Management Dual Degree Program (BEng in Civil and Environmental Engineering and BBA in			BEng major BBA major Student's Pathway										
Program:		Management)		×	Yea	*	Yes	i ×	Yes	≾	Yea	≾	Yes	ω	- Remarks
Course Offering Dept. (course code prefix)	Course Code	Course Title / Courses List	Credits	Year 1 Fall	Year 1 Spring	Year 2 Fall		Year 3 Fall	Year 3 Spring	Year 4 Fall	Year 4 Spring	Year 5 Fall	Year 5 Spring	Sub-total	Kemarko
BEng in Civ	il and Enviro	onmental Engineering			g		g		g		g		g		4
Major Require Engineering Fund															
COMP	1021 1022P	Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H Introduction to Computer Science Introduction to Computing with Java	3-5 3 3		3			į						3	Students should take COMP1021 which will also be used to substitute
COMP COMP CHEM	2011 2012H 1020	Programming with C++ Honors Object-Oriented Programming and Data Structures General Chemistry I	4 5 3	3				! 						3	ISOM 2010 and to waive ISOM 2020
LANG	2030	Technical Communication I Note: (IMATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020]	3 4-7	-	-	-	-		-	-	-	-	-	0	Waived for DDP students
MATH MATH	1012 1013	Calculus IA Calculus IB	4 3	3	3			! !						6	
MATH MATH MATH	1014 1020 1023	Calculus II Accelerated Calculus Honors Calculus I	3 4 3					į							
MATH MATH MATH	1024 2011 2350	Honors Calculus II Introduction to Multivariable Calculus Applied Linear Algebra and Differential Equations	3 3			3		<u> </u>						3	
PHYS PHYS	1112 1312	Note: PHYS 1112 OR PHYS 1312 General Physics I with Calculus Honors General Physics I with Calculus Honors General Physics I	3	3				<u> </u>						3	
	ourses and Electiv	Required credits for Engineering Fundamental Courses	22-27					<u> </u>						21	
CIVL	1010 1100	Academic Professional Development I Discovering Civil and Environmental Engineering	0			3	0							0	
CIVL	2010 2020	Academic Professional Development II Industrial and BIM Training	0			0*	0	0	0					0	
CIVL	2110 2120	Statics Mechanics of Materials	3			3	3							3	
CIVL	2160 2170	Modeling Systems with Uncertainties Infrastructure Systems Engineering and Management	3			3	3	<u> </u>						3	This course will also be used to substitute ISOM 2500
CIVL	2410 2510	Intrastructure systems Engineering and Management Environmental Assessment and Management Fluid Mechanics	3				3	! 						3	
CIVL	2810 3010	Construction Materials Academic Professional Development III	3				3	3		0	0			3	
CIVL	3020	Internship Training Note: CIVL3210 OR CIVL3610	0					-			0^			0	
CIVL CIVL	3210 3610 3310	Introduction to Construction Management Traffic and Transportation Engineering Structural Analysis	3 3					3	3					3	
CIVL	3310 3320 3420	Structural Analysis Reinforced Concrete Design Water and Wastewater Engineering	3						3					3	
CIVL	3510 3730	vvacie and vvascewater Engineering Hydrosystems Engineering Fundamentals of Geotechnics	3					3	3	3				3	
CIVL	3740	Geotechnical Analysis and Design Note: CiVL 4910 OR CiVL 4920 (Students taking the Research Option must take CiVL	3							3	3			3	
CIVL CIVL	4910 4920	4920 Civil and Environmental Engineering Final Year Project Civil and Environmental Engineering Final Year Thesis	6					i				3	3	6	
CIVL	4950 2010	Civil Engineering Capstone Design Project	3						0			3		3	
LANG	4033	Engineering Seminar Series Technical Communication II for Civil and Environmental Engineering Note: CIVL4450 OR CIVL 5450 OR CIVL5460	3			0	0	0	0			3		3	
CIVL CIVL	4450 5450 5460	Carbon Footprint Analysis and Reduction Hazardous Waste Treatment and Site Remediation Landfill Engineering and Design CIVIL (Environmental) Electives [2 courses from the specified elective list. At least 1 course (3 credits) should be selected from the "Restricted Electives"]	3 3 3					! !			3			3	
CIVL/SENG		Restricted electives: at least 1 course AND (CIVL: Any CIVL courses at 4000-level or above except those listed as "Restricted Electives" from the list OR	6					I İ İ				3	3	6	
	Red	SENG: Any 3000-level or above courses offered by the Engineering School or engineering departments other than CIVL) ulired credits for Major Requirements Courses and Electives	66											66	
BBA in Man School Requi															
ACCT ACCT	2010	Principles of Accounting I Principles of Accounting II	3	3				<u>i</u>	3					3	
ECON ECON	2103 2113	Note: ECON 2103 OR ECON 2113 Principles of Microeconomics	3			3		i						3	
ECON	2123	Microeconomics Note: ECON 2123 OR ECON 3123 Macroeconomics	3					3						3	
ECON FINA ISOM	3123 2303 2010	Macroeconomic Theory I Financial Management Introduction to Information Systems	3		_		3	<u> </u>	-	_			_	3	Substituted by COMP
ISOM	2020	Coding for Business	1	-				<u> </u>		-	-		-	0	1021/1022P/2011/2012H Waived for DDP students if they have taken and passed COMP1021
ISOM	2500	Business Statistics	3			-		_						0	or COMP 1029P Substituted by CIVL 2160
ISOM	2600 2700	Introduction to Business Analytics Operations Management	3						3			1		3	
MARK MGMT	2120 2010	Marketing Management Business Ethics and the Individual	3 2				3	<u> </u>		2				3 2	
MGMT MGMT	2110 2130	Organizational Behavior Business Ethics and Social Responsibility	3			3		<u> </u>			2			3 2	MGMT 2110 is a major pre-requisite
LANG	2061 2062 3060	Note: LANG 2061 OR 2062 OR 3060 Professional Writing for the Workplace Professional Speaking for the Workplace Advanced Academic Writing	3 3 3							3				3	Non DDP-ECON students take ONLY a 3-credit of SBM-specific English course, in which they can choose from one of the three LANG courses (LANG 2061, LANG 2062,
MATH	1003	Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra	3-4					 							or LANG 3060). DDP students should take MATH 1012 or MATH 1013 or MATH 1020
MATH MATH MATH	1012 1013 1020	Calculus IA Calculus IB Accelerated Calculus	4 3 4	(3)				į						0	or MATH 1023 to satisfy the requirements of both BEng and BBA degrees
Major Doguiro	1023	Required credits for School Requirements	3 43-44					<u> </u>						32	degrees
Major Required C	ements ourses and Electiv	es Note: MGMT 3110 OR MGMT 3120 (For students in the Consulting Option, they will use			1				1		1	1	1	1	
MGMT MGMT	3110 3120	MGMT 3110 to fulfill the Option Requirements and should take MGMT 3120 to fulfill this requirement.) Human Resources Management Managerial Leadership	4 4 4					4						4	Students in the Consulting Option must take MGMT 3120
MGMT	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					<u> </u>	4					4	Students in the Consulting Option must take MGMT 3140
MGMT	3140 4210	Negotiation Note: MGMT 4210 OR MGMT 4220 (Students in the Consulting Option or in the Corporate Social Responsibility and Sustainability Option must take MGMT 4210 to fulfill this requirement.) Corporate Strategy	3-4 3					 		3				3	Students in the Consulting Option must take MGMT 4210 Students in the CSR Option
MGMT	4220	Entrepreneurship and Innovation 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	must take MGMT 4210 Students in the Consulting Option are recommended to take MGMT 4220 and a new course in Simulating Strategy
		Required credits for Major Required Courses and Electives	20-21					<u> </u>						20	to fulfill the major elective requirement
Additional Requirements															
Requirements Required Courses	for Dual Degr	ee Program													
TEMG TEMG	1010 3950	T&M Professional Activities T&M Case Analysis and Product Innovation	0	0	0	0	0	0	0	0	0	0	0	0	
TEMG	3950 4950	T&M Case Analysis and Product Innovation T&M Corporate Consulting Project	3-5		3			4						4	
University CO	PRE	Required credits for Additional Requirements	7											7	
CORE	C3 - C9	U CORE - Others	21		3	ļ		ļ		6	6		6	21	
CORE HMAW	C1 & C2 1905	U CORE - English Language Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	6 3	3 1	2			<u> </u>						6	
		Sub-total for University CORE	30		<u> </u>			Term load (excl. free cre	edits)				30	
	16 17 21 18 20 19 17 17 16 15 176##														
Notes:					<pre></pre> <pre><</pre> <pre></pre> <pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><</pre>										

<< Declaration of BEng major BBA major

⁽⁾ 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.