The Hong Kong University of Science and Technology

Interdisciplinary Programs Office

An Example on Student's Pathway

CVGBM (Via DDP PBA) **2019-20 Intake**

<< *Declaration of 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 General Business Management)**													
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	
BEng in Civil and Environmental Engineering															
Major Requirements															
Engineering Fundamental Courses															
COMP COMP COMP COMP	1021 1022P 1022Q 2011	Note: COMP 1021 OR COMP 1022P OR COMP 1022Q OR COMP 2011 Introduction to Computer Science Introduction to Computing with Java Introduction to Computing with Excel VBA Programming with C++	3-4 3 3 3 4		3									3	This course will also be used to substitute ISOM 2010
ENGG	1010	Academic Orientation	0	0	0									0	
CHEM CHEM	1010 1020	Note: CHEM 1010 OR CHEM 1020 General Chemistry IA General Chemistry IB	3 3	3										3	
LANG	2030	Technical Communication I	3					3						3	
MATH MATH MATH MATH MATH MATH	1012 1013 1014 1020 1023 1024	Note: [(MATH 1012 OR MATH 1013) 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 3 3 4 3 3	3	3									6	
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										3	
		Required credits for Engineering Fundamental Courses	22-26											24	
Major Required Courses and Electives															
CIVL	1010	Academic Professional Development I	0			0	0							0	
CIVL	1100	Discovering Civil and Environmental Engineering	3		3									3	
CIVL	2010	Academic Professional Development II	0					0	0					0	
CIVL	2020	Industrial and BIM Training	0			0*	0							0	
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	3010	Academic Professional Development III	0							0	0			0	
CIVL	3020	Internship Training	0								0^			0	
CIVL CIVL	3210 3610	Note: CIVL3210 OR CIVL3610 Introduction to Construction Management Traffic and Transportation Engineering	3 3						3					3	
CIVL	3310	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 CIVL	4910 4920	Note: CIVL 4910 OR CIVL 4920 Civil and Environmental Engineering Final Year Project Civil and Environmental Engineering Final Year Thesis	6 6									3	3	6	
CIVL	4950	Civil Engineering Capstone Design Project	3									3		3	
CIVL CIVL CIVL	4450 5450 5460	Note: CIVL4450 OR CIVL 5450 OR CIVL5460 Carbon Footprint Analysis and Reduction Hazardous Waste Treatment and Site Remediation Landfill Engineering and Design	3 3 3								3			3	
ENGG	2010	Engineering Seminar Series	0			0	0	0	0					0	
LANG	4033	Technical Communication II for Civil and Environmental Engineering	3									3		3	
CIVL/SENG		CIVL (Environmental) Electives [at least 1 course should be selected from the "Restricted Electives".] 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 SENG: Any 3000-level or above courses offered by the Engineering School or engineering departments other than CIVL)	6									3	3	6	
		Required credits for Major Requirements Courses and Electives	66											66	
BBA in General Business Management															
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								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	
ISOM	2010	Introduction to Information Systems	3	---	---	---	---	---	---	---	---	---	---	0	Substituted by COMP 1021/1022P/1022Q/2011
ISOM	2020	Coding for Business	1				1							1	
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	
SBMT	1111	Business Student Induction	0	---	---	---	---	---	---	---	---	---	---	0	Substituted by ENGG 1010
LABU	2040	Business Case Analyses	3										3	3	
LABU	2060	Effective Communication in Business	3							3				3	
MATH MATH MATH MATH MATH 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	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
		Required credits for School Requirements	43-44											36	
Major Requirements															
Major Required Courses and Electives															
SB&M		SB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least 4 courses are of 3000-level or above.)	29		3		3			7	3	6	7	29	
		Required credits for Major Required Courses and Electives	29											29	
Additional Requirements															
Requirements for Dual Degree Program															
Required Courses															
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	2		2									2	
		Required credits for Additional Requirements	0											2	
University CORE															
CORE	C3 - C12	U CORE - Others	30	6	3				3	6	9		3	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	20	18	20	20	21	19	20	18	19		
									193##						

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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.