

School:		School of Engineering and School of Business Management				Student's Pathways (i.e. Study Pattern)													Remarks
Department:		Dual Degree Program (BEng in Civil Engineering and BBA in General Business Management)				Pathway 1													
Program:						Background: HKDSE 4 Core + 2 Elec (incl. 1/2x PHYS) Profile: Normative Students to graduate in (Beng & BBA) CIGBM													
Course Offering Dept. (course code prefix)	Course Code	Course Title / Courses List		Credits	Year 1 FA	Year 1 Spring	Year 2 FA	Year 2 Spring	Year 3 FA	Year 3 Spring	Year 4 FA	Year 4 Spring	Year 5 FA	Year 5 Spring	Subtotal				
BEng in Civil Engineering																			
Major Requirements																			
Engineering Fundamental Courses																			
COMP	1021	Introduction to Computer Science		3-4															
COMP	1022P	Introduction to Computing with Java		3		3										3			
COMP	1022Q	Introduction to Computing with Excel VBA		3															
COMP	2011	Introduction to Object-oriented Programming		4															
ENGG	1010	Academic Orientation		0	0	0										0			
CHEM	1010	General Chemistry IA		3		3										3			
CHEM	1010	General Chemistry IB		3												3			
LANG	2030	Technical Communication I		3						3						3			
MATH	1012	Calculus IA		4-6															
MATH	1013	Calculus IB		4															
MATH	1014	Calculus III		3		3	3									6			
MATH	1020	Accelerated Calculus		3												3			
MATH	1023	Honors Calculus I		3												3			
MATH	1024	Honors Calculus II		3												3			
MATH	2011	Introduction to Multivariable Calculus		3				3								3			
MATH	2350	Applied Linear Algebra and Differential Equations		3				3								3			
PHYS	1112	General Physics I with Calculus I		3		3										3			
PHYS	1312	Honors General Physics I		3												3			
Required credits for Engineering Fundamental Courses				21-25												24			
Major Required Courses and Electives																			
CIVL	1100	Discovering Civil and Environmental Engineering		3		3										3			
CIVL	2020	Industrial and BM Training		0			0*	0								0			
CIVL	2110	Statics		3			3									3			
CIVL	2120	Mechanics of Materials		3				3								3			
CIVL	1010**	Academic Professional Development I**		0			0	0								0			
CIVL	2010**	Academic Professional Development II**		0				0	0							0			
CIVL	3010**	Academic Professional Development III**		0					0	0						0			
CIVL	2160	Modeling Systems with Uncertainties		3			3									3			
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	2820	Internship Training		0								0*				0			
CIVL	3210	Introduction to Construction Management		3						3						3			
CIVL	3310	Structural Analysis		3					3							3			
CIVL	3320	Reinforced Concrete Design		3						3						3			
CIVL	3510	Hydrosystems Engineering		3					3							3			
CIVL	3610	Traffic and Transportation Engineering		3						3						3			
CIVL	3730	Fundamentals of Geotechnics		3							3					3			
CIVL	3740	Geotechnical Analysis and Design		3								3				3			
CIVL	4910	Option: CIVL 4910 OR CIVL 4920 (Students taking the Research Option must take CIVL 4920)		6										2	4	6			
CIVL	4920	Civil and Environmental Engineering Final Year Project		6												6			
CIVL	4920	Civil and Environmental Engineering Final Year Thesis		6												6			
CIVL	4950**	Civil Engineering Capstone Design Project**		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 Electives (3 courses from the specified elective list) CIVL: Any CIVL courses at 4000-level or above except CIVL 4230 and CIVL 4510 SENG: Any 3000-level or above courses offered by the Engineering School or engineering departments other than CIVL		9								3	3	3		9			
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	2103	Note: ECON 2103 OR ECON 2113 Principles of Microeconomics		3				3								3			
ECON	2113	Microeconomics		3												3			
ECON	3123	Note: ECON 3123 OR ECON 3123 (Students who wish to pursue BSc ECON must take ECON 3123) Macroeconomics		3					3							3			
ECON	3123	Macroeconomics Theory I		3												3			
FINA	2303	Financial Management		3						3						3			
ISOM	2010	Introduction to Information Systems		3												3			
ISOM	2500	Business Statistics		3												3			
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			
LABU	2060**	Effective Communication in Business**		3							3					3			
LABU	2040**	Business Case Analyses**		3										3		3			
MATH	1003	Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra		3-4															
MATH	1012	Calculus IA		4															
MATH	1013	Calculus IB		3		(3)										0			
MATH	1020	Accelerated Calculus		4															
MATH	1023	Honors Calculus I		3															
Required credits for School Requirements				43-44												34			
Major Requirements																			
Major Required Courses and Electives																			
SBAM		SBAM Electives (Any 9 courses offered by the departments under SBAM, of which at least 4 courses are of 3000-level or above.)		29		3		2			7	3	7	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	0			
Required credits for Additional Requirements				0												0			
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 18 18 20 20 20 18 19 20 18 20																			
18888**																			

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):
- LABU 2040: This is a new course subject to approval, (effective from 2016/17 and applicable to students admitted in or after 2016/17)
- LABU 2060: This is a new course subject to approval, (effective from 2016/17 and applicable to students admitted in or after 2016/17)
- CIVL 1010: This is a new course subject to approval, (effective from 2016/17 and applicable to students admitted in or after 2015/16)
- CIVL 2010: This is a new course subject to approval, (effective from 2016/17 and applicable to students admitted in or after 2015/16)
- CIVL 3010: This is a new course subject to approval, (effective from 2016/17 and applicable to students admitted in or after 2015/16)
- CIVL 4950: The course title will be changed to "Civil Engineering Capstone Design Project" (effective from Fall 2015-16 and applicable to students admitted in or after 2012/13)
- CIVL 4950: The credit value will be changed to 3 (effective from Fall 2015-16 and applicable to students admitted in or after 2012/13)
- MGMT2010: Previous Course Code: SBMT 2010

**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.

<< Declaration of major