

!<< Declaration of major

School:		School of Engineering and School of Business Management		Student's Pathways (i.e. Study Pattern)											
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 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	Remarks

BEng in Civil Engineering

Major Requirements

Engineering Fundamental Courses

COMP	COMP	1021	Note: COMP 1021 OR COMP 1022P OR COMP 1022Q OR COMP 2011	3-4												
COMP	COMP	1022P	Introduction to Computer Science	3		3									3	This course will also be used to substitute ISOM 2010
COMP	COMP	1022Q	Introduction to Computing with Java	3												
COMP	COMP	2011	Introduction to Computing with Excel VBA	3												
COMP	COMP	2011	Introduction to Object-oriented Programming	4												
ENGG		1010	Academic Orientation	0	0	0									0	
CHEM		1010	Note: CHEM 1010 OR CHEM 1020	2-3											3	
CHEM		1020	General Chemistry IA	3		3									3	
CHEM		1020	General Chemistry IB	2											3	
LANG		2030	Technical Communication I	3				3							3	
MATH			Note: (MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024) OR (MATH 1020)	4-7												
MATH		1012	Calculus IA	4												
MATH		1013	Calculus IB	3												
MATH		1014	Calculus II	3	3	3									6	
MATH		1020	Accelerated Calculus	4												
MATH		1023	Honors Calculus I	3												
MATH		1024	Honors Calculus II	3												
MATH		2011	Introduction to Multivariable Calculus	3			3								3	
MATH		2350	Applied Linear Algebra and Differential Equations	3			3								3	
PHYS			Note: PHYS 1112 OR PHYS 1312	3											3	
PHYS		1112	General Physics I with Calculus	3	3										3	
PHYS		1312	Honors General Physics I	3											3	
Required credits for Engineering Fundamental Courses				21-26											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
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		3210	Introduction to Construction Management	3					3							3
CIVL		3310	Structural Analysis	3				3								3
CIVL		3320	Reinforced Concrete Design	3				3	3							3
CIVL		3510	Hydrosystems Engineering	3				3								3
CIVL		3610	Traffic and Transportation Engineering	3				3	3							3
CIVL		3730	Fundamentals of Geotechnics	3					3							3
CIVL		3740	Geotechnical Analysis and Design	3						3						3
CIVL		4910	Note: CIVL 4910 OR CIVL 4920 (Students taking the Research Option must take CIVL 4920)	6												6
CIVL		4920	Civil and Environmental Engineering Final Year Project	6								2	4			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	3			3									3
ECON		2113	Principles of Microeconomics	3												3
ECON		2113	Microeconomics	3												3
ECON			Note: ECON 2123 OR ECON 3123 (Students who wish to pursue BSc ECOF must take ECON 3123)	3												3
ECON		2123	Macroeconomics	3				3								3
ECON		3123	Macroeconomic Theory I	3												3
FINA		2303	Financial Management	3					3							3
ISOM		2010	Introduction to Information Systems	3												0
ISOM		2500	Business Statistics	3												0
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		2040	Business Case Analyses	3												3
LABU		2060	Effective Communication in Business	3						3						3
MATH		1003	Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4												3
MATH		1012	Calculus and Linear Algebra	3												3
MATH		1012	Calculus IA	4												4
MATH		1013	Calculus IB	3												3
MATH		1020	Accelerated Calculus	4												4
MATH		1023	Honors Calculus I	3												3
Required credits for School Requirements				43-44											34	

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		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					
189##															

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):