

Interdisciplinary Programs Office

An Example on Student's Pathway (as of Summer 2018-19)

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 Mechanical 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) MEGBM										
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 Mechanical Engineering

Major Requirements

Engineering Fundamental Courses

COMP		Note: COMP1021 OR COMP1022P OR COMP1022Q OR COMP2011	3-4												
COMP	1021	Introduction to Computer Science	3											3	This course will also be used to substitute ISOM 2010
COMP	1022P	Introduction to Computing with Java	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	
LANG	2030	Technical Communication I	3				3							3	
MATH		Note: (MATH1012 OR MATH1013 OR MATH1023) AND (MATH1014 OR MATH1024) OR [MATH1020]	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												
PHYS		Note: PHYS1112 OR PHYS1312	3												
PHYS	1112	General Physics I with Calculus	3		3									3	
PHYS	1312	Honors General Physics I	3												
CHEMLIFS/ PHYS		Science 1000-level course (Any 1 course of the subject and level as specified)	3		3									3	
Required credits for Engineering Fundamental Courses			16-20											18	

Major Required Courses and Electives

MECH	1990	Industrial Training	0			0*	0^								0
MECH	2020	Statics and Dynamics	3			3									3
MECH	2040	Solid Mechanics I	3						3						3
MECH	2210	Fluid Mechanics	3						3						3
MECH	2310	Thermodynamics	3			3									3
MECH	2410	Engineering Materials I	3				3								3
MECH	2520	Design and Manufacturing I	3				3								3
MECH	2907	Mechatronic Design and Prototyping	3						3						3
MECH	3030	Mechanisms of Machinery	3								3				3
MECH		Note: MECH3300 OR MECH3420 OR MECH3520	3												
MECH	3300	Energy Conversion	3							3					3
MECH	3420	Engineering Materials II	3												
MECH	3520	Design and Manufacturing II	3												
MECH	3310	Heat Transfer	3							3					3
MECH	3610	Control Principles	3					3							3
MECH	3630	Electrical Technology	3						3						3
MECH	3830	Laboratory	3								3				3
MECH	4900	Final Year Design Project	6									3	3		6
ELEC	2420	Basic Electronics	3			3									3
ENGG	2010	Engineering Seminar Series	0			0	0	0	0						0
MATH	2011	Introduction to Multivariable Calculus	3								3				3
MATH		Note: MATH2111 OR MATH2350 OR MATH2351	3												
MATH	2111	Matrix Algebra and Applications	3								3				3
MATH	2350	Applied Linear Algebra and Differential Equations	3												
MATH	2351	Introduction to Differential Equations	3												
LANG	4034	Technical Communication II for Mechanical and Aerospace Engineering	3									3			3
Required credits for Major Requirements Courses and Electives			57											57	

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		Note: ECON 2103 OR ECON 2113	3												
ECON	2103	Principles of Microeconomics	3			3									3
ECON	2113	Microeconomics	3												
ECON		Note: ECON 2123 OR ECON 3123 (Students who wish to pursue BSc ECOF must take ECON 3123)	3						3						3
ECON	2123	Macroeconomics	3												
ECON	3123	Macroeconomic Theory I	3												
FINA	2303	Financial Management	3						3						3
ISOM	2010	Introduction to Information Systems	3	---	---	---	---	---	---	---	---	---	---	---	0
ISOM	2500	Business Statistics	3				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	2040	Business Case Analyses	3				3								3
LABU	2060	Effective Communication in Business	3						3						3
MATH		Note: MATH1003 OR MATH1012 OR MATH1013 OR MATH1020 OR MATH1023	3-4												
MATH	1003	Calculus and Linear Algebra	3												
MATH	1012	Calculus IA	4												
MATH	1013	Calculus IB	3												
MATH	1020	Accelerated Calculus	4												
MATH	1023	Honors Calculus I	3												
Required credits for School Requirements			43-44											37	

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		3	6	4	10	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	9	3	3				3	6	3	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	18	20	18	18	18	15	16
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Declaration of major

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):