

<< Declaration of major

School:		School of Engineering and School of Business Management			Student's Pathways (i.e. Study Pattern)											Remarks
Department:		Dual Degree Program (BEng in Mechanical Engineering and BBA in General Business Management)			Pathway 1											
Program:		Dual Degree Program (BEng in Mechanical Engineering and BBA in General Business Management)			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		
BEng in Mechanical Engineering																
Major Requirements																
Engineering Fundamental Courses																
COMP	1021	Note: COMP 1021 OR COMP 1022P OR COMP 1022Q OR COMP 2011	3-4													
COMP	1022P	Introduction to Computer Science	3	3										3	This course will also be used to substitute ISOM 2010	
COMP	1022Q	Introduction to Computing with Java	3													
COMP	2011	Introduction to Computing with Excel VBA	3													
COMP	2011	Introduction to Object-oriented Programming	4													
ENGG	1010	Academic Orientation	0	0	0									0		
LANG	2030	Technical Communication I	3				3							3		
MATH		Note: [(MATH1012 OR MATH1013 OR MATH1023) AND (MATH1014 OR MATH1024)] OR [MATH1020]	4-6													
MATH	1012	Calculus IA	4													
MATH	1013	Calculus IB	3	3	3									6		
MATH	1014	Calculus II	4													
MATH	1020	Accelerated Calculus	3													
MATH	1023	Honors Calculus I	3													
MATH	1024	Honors Calculus II	3													
PHYS		Note: PHYS 1112 OR PHYS 1312	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			16-19											18		
Major Required Courses and Electives																
MECH	1990	Industrial Training	0				0*	0*						0		
MECH	2020	Statics and Dynamics	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	3010	Solid Mechanics I	3						3					3		
MECH	3030	Mechanisms of Machinery	3									3		3		
MECH	3210	Fluid Mechanics	3						3					3		
MECH		Note: MECH 3300 OR MECH 3420 OR MECH 3520	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													
ECON	2123	Macroeconomics	3					3						3		
ECON	3123	Macroeconomic Theory I	3													
FINA	2303	Financial Management	3					3						3		
ISOM	2010	Introduction to Information Systems	3											0	Substituted by COMP 1021/1022P/1022Q	
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	Waived for DDP students	
LABU	2060**	Effective Communication in Business**	3						3					3		
LABU	2040**	Business Case Analyses**	3					3						3		
MATH		Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023	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	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	
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			6	4	10	29	
Required credits for Major Required Courses and Electives			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		
Required credits for Additional Requirements			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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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)
 - MECH 4900: The credit value will be changed to 6. (effective from Fall 2016/17 and applicable to students admitted in or after 2013/14)
 - 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.