

The Hong Kong University of Science and Technology
Academy of Interdisciplinary Studies
An Example on Student's Pathway (as of Dec 21, 2025)

MEGBM 2025-26 Intake
(Via DOP PBA)

			<< Selection of BEng major			<< Declaration of BEng major			<< Selection of BBA major			Student's Pathway										
School:			School of Engineering and School of Business Management										Student's Pathway									
Program:			Dual Degree Program (BEng in Mechanical Engineering and BBA in General Business Management)										Student's Pathway									
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																						
Engineering Fundamental Courses																						
COMP	1023	Note: COMP1023 OR COMP2011 OR COMP2012H	3-5		3									3	Students should take COMP 1023, COMP 2011 or COMP 2012H which will also be used to substitute ISOM 2010 and to waive ISOM 2020							
COMP	2011	Introduction to Python Programming	3																			
COMP	2012H	Honors Object-Oriented Programming and Data Structures	4																			
MATH	1013	Note: [MATH 1013 OR MATH1023] AND [MATH 1014 OR MATH 1024] OR [MATH 1020]	4-7																			
MATH	1014	Calculus I	3	3	3									6								
MATH	1020	Accelerated Calculus	4												DDP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees							
MATH	1023	Honors Calculus I	3																			
MATH	1024	Honors Calculus II	3																			
MATH	2011	Introduction to Multivariable Calculus	3			3								3								
MATH	2111	Note: MATH2111 OR MATH2350 OR MATH2351	3																			
MATH	2350	Matrix Algebra and Applications	3					3						3								
MATH	2351	Applied Linear Algebra and Differential Equations	3																			
MATH	2351	Introduction to Differential Equations	3																			
PHYS	1112	Note: PHYS1112 OR PHYS1312	3																			
PHYS	1312	General Physics I with Calculus	3		3									3								
PHYS	1312	Honors General Physics I	3																			
CHEM	1008	Science 1000-level course (1 course of the specified course list)	3-4																			
CHEM	1012	Introductory Chemistry	3																			
LFS	1901	General Chemistry B: Atomic Structure, Molecules, and Bonding Theories	3		3									3								
PHYS	1101	Introductory Physics	4																			
Required Credits for Engineering Fundamental Courses			19-25	6	9	3	3	0	0	0	0	0	0	21								
Major Required Courses and Electives																						
MECH	1001	Academic and Professional Development I	0	0	0	0	0							0	Students should take COMP 1023, COMP 2011 or COMP 2012H which will also be used to substitute ISOM 2010 and to waive ISOM 2020							
MECH	1910	Foundations of Mechanical and Aerospace Engineering	3	3										3								
MECH	1990	Industrial Training	0			0*	0*							0								
MECH	2002	Academic and Professional Development II	0					0	0	0	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	3030	Mechanisms of Machinery	3					3						3								
		Note: MECH3000 OR MECH3420 0 OR MECH3710	3													DDP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees						
MECH	3300	Energy Conversion	3					3						3								
MECH	3420	Engineering Materials II	3																			
MECH	3710	Manufacturing Processes and Systems	3																			
MECH	3910	Heat Transfer	3					3						3								
MECH	3910	Control Principles	3						3					3								
MECH	3630	Electrical Technology	3						3					3								
MECH	3830	Laboratory	3						3					3								
MECH	3907	Mechatronic Design and Prototyping	3						3					3								
MECH	4900	Final Year Design Project	6									3	3	6								
ELEC	2420	Basic Electronics	3			3								3								
BEng in Mechanical Engineering Major Requirements			51	3	0	9	12	12	9	0	0	0	3	3	51							
BBA in General Business Management																						
School Requirements																						
ACCT	1010	Principles of Accounting I	3	3										3	Students should take COMP 1023, COMP 2011 and COMP 2012H are more advanced comping courses as compared to ISOM 2010. Students SHOULD take COMP 1023, COMP 2011 and COMP 2012H instead of ISOM 2010.							
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																			
ECON	2123	Note: ECON 2123 OR ECON 3123	3																			
ECON	3123	Macroeconomics	3					3						3								
ECON	3123	Macroeconomic Theory I	3																			
FINA	2503	Financial Management	3		3									3								
ISOM	2010	Introduction to Information Systems	3	-	-	-	-	-	-	-	-	-	-	0								
ISOM	2020	Coding for Business	1	-	-	-	-	-	-	-	-	-	-	0								
ISOM	2500	Business Statistics	3	3										3								
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								
		Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4										2									
MATH	1003	Calculus and Linear Algebra	3	(3)										0								
MATH	1013	Calculus IB	3																			
MATH	1020	Accelerated Calculus	4																			
MATH	1023	Honors Calculus I	4																			
Required Credits for School Requirements			39-40	6	3	3	6	3	4	3	2	2	0	32								
Major Required Courses and Electives																						
SBBM		SBBM Electives (Any 9 courses offered by the departments under SBBM, of which at least 4 courses are of 3000-level or above.)	29					3	4	4	6	6	6	29								
Required Credits for Major Required Courses and Electives			23	0	0	0	0	0	3	4	4	6	6	6	29							
Additional Requirement for Dual Degree Program																						
TEMG	1011	T&M Professional Activities I	0	0	0	0								0	To graduate, students should complete ALL requirements as specified for DDP.							
TEMG	1012	T&M Professional Activities II	0			0	0							0								
TEMG	1013	T&M Professional Activities III	0					0	0					0								
TEMG	1014	T&M Professional Activities IV	0							0	0			0								
TEMG	1015	T&M Professional Activities V	0									0	0	0								
TEMG	3950	T&M Case Analysis and Product Innovation	3	3										3								
TEMG	4950	T&M Corporate Consulting Project	3-5							4				4								
Required Credits for Additional Requirements			7	0	3	0	0	0	0	4	0	0	0	7								
University Common Core Requirement																						
CORE	C3 - C9	U CORE - Others	21							6	6	3	6	21								
CORE	C1 & C2	U CORE - English Language	6	3	3									6								
HMAW	1905	Behavioral Foundations of University Education: Habits, Mindssets, and Wellness	3	1	2									3								
Sub-total for University CORE			30	4	5	0	0	0	0	6	6	3	6	30								
Term load (excl. free credits)																						
19 20 18 18 18 17 17 14 14 15 170																						