The Hong Kong University of Science and Technology
Academy of Interdisciplinary Studies
An Example on Student's Pathway (as of August 8, 2024)

MEMARK 2024-25 Intake
(Via DDP PBA)

<< Declaration of BEng major   << Declaration of BBA major

School:	School of Engineering and School of Business Management										Student's Pathway				
Program:	**Dual Degree Program (BEng in Mechanical Engineering and BBA in Marketing)**															
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

Dept	Code	Title	Credits	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub-total	Remarks
		Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H	3-5												Students should take COMP1021 which will also be used to substitute ISOM 2010 and to waive ISOM 2020
COMP	1021	Introduction to Computer Science	3	3										3	
COMP	1022P	Introduction to Computing with Java	3												
COMP	2011	Programming with C++	4												
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5												
		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	3	3									6	
MATH	1013	Calculus IB	3												
MATH	1014	Calculus II	3												
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	
		Note: MATH2111 OR MATH2350 OR MATH2351													
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												
		Note: PHYS1112 OR PHYS1312													
PHYS	1112	General Physics I with Calculus	3		3									3	
PHYS	1312	Honors General Physics I	3												
		[1 course from the specified course list]	3-4												
PHYS	1101	Introductory Physics	4		(3)									0	
CHEM	1008	Introductory Chemistry	3												
CHEM	1012	General Chemistry B: Atomic Structure, Molecules, and Bonding Theories	3												
LIFS	1901	General Biology I	3												
		Required credits for Engineering Fundamental Courses	19-25											**18**	

Major Required Courses and Electives

Dept	Code	Title	Credits	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub-total	Remarks
MECH	1990	Industrial Training	0			0*	0^							0	
MECH	1906	Mechanical Engineering for Modern Life	3			3								3	
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: MECH3300 OR MECH3420 OR MECH3520 OR MECH3710													
MECH	3300	Energy Conversion	3							3				3	
MECH	3420	Engineering Materials II	3												
MECH	3520	Design and Manufacturing II	3												
MECH	3710	Manufacturing Processes and Systems	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	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	
ENGG	2010	Engineering Seminar Series	0			0	0	0	0					0	
		Required credits for Major Requirements Courses and Electives	51											**51**	

BBA in Marketing
School Requirements

Dept	Code	Title	Credits	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub-total	Remarks
ACCT	2010	Principles of Accounting I	3	3										3	
ACCT	2200	Principles of Accounting II	3						3					3	
		Note: ECON 2103 OR ECON 2113													
ECON	2103	Principles of Microeconomics	3			3								3	
ECON	2113	Microeconomics	3												
		Note: ECON 2123 OR ECON 3123													
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/ 2011/ 2012H
ISOM	2020	Coding for Business	1	-	-	-	-	-	-	-	-	-	-	0	Waived for DDP students if they have taken and passed COMP 1021 or COMP 1029P
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	MARK 2120 is a major pre-requisite
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 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4												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
MATH	1003	Calculus and Linear Algebra	3												
MATH	1012	Calculus IA	4	(3)										0	
MATH	1013	Calculus IB	3												
MATH	1020	Accelerated Calculus	4												
MATH	1023	Honors Calculus I	3												
		Required credits for School Requirements	39-40											**32**	

Major Requirements
Major Required Courses and Electives

Dept	Code	Title	Credits	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub-total	Remarks
MARK	3220	Marketing Research	4					4						4	
MARK	3420	Consumer Behavior	4						4					4	
MARK	4210	Strategic Marketing	4							4				4	
MARK		MARK 3000-level or above Electives (Any 3 courses of the subject and level as specified)	12								4	4	4	12	
		Required credits for Major Required Courses and Electives	24											**24**	

Additional Requirements
Requirements for Dual Degree Program
Required Courses

Dept	Code	Title	Credits	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub-total	Remarks
TEMG	1010	T&M Professional Activities	0	0	0	0	0	0	0	0	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											**7**	

University CORE

Dept	Code	Title	Credits	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub-total	Remarks
CORE	C3 - C9	U CORE - Others	21			3	6			6		6		21	
CORE	C1 & C2	U CORE - English Language	6	3	3									6	
HMAW	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	3	1	2									3	
		Sub-total for University CORE	30											**30**	

Term load (excl. free credits)											
	16	17	18	18	18	19	16	13	12	15	
					162##						

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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):

>> 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.