The Hong Kong University of Science and Technology
Interdisciplinary Programs Office
An Example on Student's Pathway (as of July 11, 2022)

MEMGMT 2021-22 Intake (Via DDP PBA)

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

School:	School of Engineering and School of Business Management
Program:	**Dual Degree Program (BEng in Mechanical Engineering and BBA in Management)**

Student's Pathway

Course Offering Dept. (course code prefix)	Course Code	Course Title / Courses List	Credits	Y1 Fall	Y1 Spring	Y2 Fall	Y2 Spring	Y3 Fall	Y3 Spring	Y4 Fall	Y4 Spring	Y5 Fall	Y5 Spring	Sub-total	Remarks
BEng in Mechanical Engineering															
Major Requirements															
Engineering Fundamental Courses															
COMP		Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H	3-5												
COMP	1021	Introduction to Computer Science	3	3										3	Students should take COMP1021 which will also be used to substitute ISOM 2010 and to waive ISOM 2020
COMP	1022P	Introduction to Computing with Java	3												
COMP	2011	Programming with C++	4												
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5												
ENGG	1010	Academic Orientation	0	0	0									0	
LANG	2030	Technical Communication I	3	-	-	-	-	-	-	-	-	-	-	0	Waived for DDP students
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	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	
MATH		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												
PHYS		Note: PHYS1112 OR PHYS1312													
PHYS	1112	General Physics I with Calculus	3		3									3	
PHYS	1312	Honors General Physics I	3												
CHEM/LIFS/PHYS		Science 1000-level course (Any 1 course of the subject and level as specified)	3		(3)									0	
		Required credits for Engineering Fundamental Courses	22-26											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	3030	Mechanisms of Machinery	3							3				3	
MECH		Note: MECH3300 OR MECH3420 OR MECH3520 OR MECH3710	3												
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	
LANG	4034	Technical Communication II for Mechanical and Aerospace Engineering	3								3			3	
		Required credits for Major Requirements Courses and Electives	51											51	
BBA in 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													
ECON	2103	Principles of Microeconomics	3			3								3	
ECON	2113	Microeconomics	3												
ECON		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	
MGMT	2010	Business Ethics and the Individual	2								2			2	
MGMT	2110	Organizational Behavior	3				3							3	MGMT 2110 is a major pre-requisite
MGMT	2130	Business Ethics and Social Responsibility	2										2	2	
SBMT	1111	Business Student Induction	0	-	-	-	-	-	-	-	-	-	-	0	Waived for DDP students
LABU	2040	Business Case Analyses	3	-	-	-	-	-	-	-	-	-	-	0	Waived for DDP students
LABU	2060	Effective Communication in Business	3								3			3	
MATH		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		(3)									0	
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											35	
Major Requirements															
Major Required Courses and Electives															
MGMT		Note: MGMT 3110 OR MGMT 3120 (For students in the Consulting Option, they will use MGMT 3110 to fulfill the Option Requirements and should take MGMT 3120 to fulfill this requirement.)	4												
MGMT	3110	Human Resources Management	4					4						4	Students in the Consulting Option must take MGMT 3120
MGMT	3120	Managerial Leadership	4												
MGMT		Note: MGMT 3130 OR MGMT 3140 (Students in the Consulting Option must take MGMT 3140 to fulfill this requirement.)	4												
MGMT	3130	Judgement and Decision Making in Organizations	4						4					4	Students in the Consulting Option must take MGMT 3140
MGMT	3140	Negotiation	4												
MGMT		Note: MGMT 4210 OR MGMT 4220 (Students in the Consulting Option or in the Corporate Social Responsibility and Sustainability Option must take MGMT 4210 to fulfill this requirement.)	3-4												
MGMT	4210	Corporate Strategy	3							3				3	Students in the Consulting Option must take MGMT 4210 Students in the CSR Option must take MGMT 4210
MGMT	4220	Entrepreneurship and Innovation	4												
MGMT		MGMT 3000-level or above Electives (Any 3 courses of the subject and level as specified. Courses taken as Option Required Courses may not be counted towards the elective requirement.)	9								3	3	3	9	Students in the Consulting Option are recommended to take MGMT 4220 and a new course in Simulating Strategy to fulfill the major elective requirement
		Required credits for Major Required Courses and Electives	20-21											20	
Additional Requirements															
Requirements for Dual Degree Program															
Required Courses															
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															
CORE	C3 - C12	U CORE - Others	30			6	6			6	3	9		30	
CORE	C1 & C2	U CORE - English Language	6	3	3									6	
		Sub-total for University CORE	36											36	

Term load (excl. free credits)

				15	15	18	18	18	16	18	15	17	17		
								167##							

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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.