The Hong Kong University of Science and Technology
Interdisciplinary Programs Office
An Example on Student's Pathway (as of July 22, 2022)

MEECON 2022-23 Intake
(Via DDP PBA)

School:	School of Engineering and School of Business Management			Student's Pathway											
Program:	Dual Degree Program (BEng in Mechanical Engineering and BBA in Economics)			<< Declaration of BEng major		<< Declaration of BBA major									
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

Course Offering Dept.	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
COMP COMP COMP COMP	1021 1022P 2011 2012H	Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H / Introduction to Computer Science / Introduction to Computing with Java / Programming with C++ / Honors Object-Oriented Programming and Data Structures	3-5 3 3 4 5	3										3	Students should take COMP1021 which will also be used to substitute ISOM 2010 and to waive ISOM 2020
LANG	2030	Technical Communication I	3	-	-	-	-	-	-	-	-	-	-	0	Waived for DDP students
MATH MATH MATH MATH MATH MATH	1012 1013 1014 1020 1023 1024	Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020] / Calculus IA / Calculus IB / Calculus II / Accelerated Calculus / Honors Calculus I / Honors Calculus II	4-7 4 3 3 4 3 3	3	3									6	
MATH	2011	Introduction to Multivariable Calculus	3					3						3	
MATH MATH MATH	2111 2350 2351	Note: MATH2111 OR MATH2350 OR MATH2351 / Matrix Algebra and Applications / Applied Linear Algebra and Differential Equations / Introduction to Differential Equations	3 3 3						3					3	
PHYS PHYS	1112 1312	Note: PHYS1112 OR PHYS1312 / General Physics I with Calculus / Honors General Physics I	3 3		3									3	
PHYS CHEM CHEM LIFS	1101 1008 1020 1901	[1 course from the specified course list] / Introductory Physics / Introductory Chemistry / General Chemistry I / General Biology I	3 3 3 3		(3)									0	
		Required credits for Engineering Fundamental Courses	22-26											18	

Major Required Courses and Electives

Course Offering Dept.	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
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	
MECH MECH MECH MECH	3300 3420 3520 3710	Note: MECH3300 OR MECH3420 OR MECH3520 OR MECH3710 / Energy Conversion / Engineering Materials II / Design and Manufacturing II / Manufacturing Processes and Systems	3 3 3 3						3					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											54	

BBA in Economics
School Requirements

Course Offering Dept.	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
ACCT	2010	Principles of Accounting I	3	3										3	
ACCT	2200	Principles of Accounting II	3						3					3	
ECON ECON	2103 2113	Note: ECON 2103 OR ECON 2113 / Principles of Microeconomics / Microeconomics	3 3			3								3	ECON 2103 / 2113 / 2123 is a major pre-requisite
ECON ECON	2123 3123	Note: ECON 2123 OR ECON 3123 / Macroeconomics / Macroeconomic Theory I	3 3					3						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	2130	Business Ethics and Social Responsibility	2										2	2	
LABU	2040	Business Case Analyses	3	-	-	-	-	-	-	-	-	-	-	0	Waived for DDP students
LABU	2060	Effective Communication in Business	3						3					3	
MATH MATH MATH MATH MATH	1003 1012 1013 1020 1023	Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 / Calculus and Linear Algebra / Calculus IA / Calculus IB / Accelerated Calculus / Honors Calculus I	3-4 3 4 3 4 3	(3)										0	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
		Required credits for School Requirements	43-44											35	

Major Requirements
Major Required Courses and Electives

Course Offering Dept.	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
ECON	3014	Managerial Microeconomics	4					4						4	
ECON	3024	Managerial Macroeconomics	4						4					4	
ECON	3334	Introduction to Econometrics	4						4					4	
ECON	4670	Economics Research and Communication	0								0			0	
ECON		ECON 4000-level Electives (Any 3 courses of the subject and level as specified)	11							3	4	4		11	
		Required credits for Major Required Courses and Electives	23											23	

Additional Requirements
Requirements for Dual Degree Program
Required Courses

Course Offering Dept.	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
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

Course Offering Dept.	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
CORE	C3 - C9	U CORE - Others	21				6			6	3	6		21	
CORE	C1 & C2	U CORE - English Language	6	3	3									6	
CORE	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	3	0	3									3	
		Sub-total for University CORE	30											30	

				Term load (excl. free credits)											
=SUM(E11:E17,E20:E38,E42:E59,E…)				18	15	18	18	19	19	15	15	15			
							167##								

<< Declaration of BEng major   << Declaration of BBA 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):

>> 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.