## The Hong Kong University of Science and Technology Academy of Interdisciplinary Studies An Example on Student's Pathway (as of August 3, 2023)

<< Declaration of Seng major BBA major

MEFINA 2023-24 Intake (Via DDP PBA)

School:		School of Engineering and School of Business Management			BEENG major BBA major  Student's Pathway										
Program:		Dual Degree Program (BEng in Mechanical Engineering and BBA in Finance	e)												
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
				=	ng	=	ng	=	ng	=	ng	=	ng	_	
BEng in Med		ineering													
Major Require															
Engineering Funda	amental Courses	Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H	3-5	П	1	1		1	1				1	1	Students should take COMP1021
COMP COMP	1021 1022P	Introduction to Computer Science Introduction to Computing with Java	3	3		i		i						3	which will also be used to substitute
COMP COMP	2011 2012H	Programming with C++ Honors Object-Oriented Programming and Data Structures	4			İ		i							ISOM 2010 and to waive ISOM 2020
LANG	2030	Technical Communication I	3	-	-	<u> </u>	-		-	-	-	-	-	0	Waived for DDP students
		Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020]	4-7			İ		i							
MATH MATH	1012 1013	Calculus IA Calculus IB	4			i		i							
MATH MATH	1014 1020	Calculus II Accelerated Calculus	3 4	3	3	i		i						6	
MATH MATH	1023 1024	Honors Calculus I	3			i I		İ							
MATH	2011	Introduction to Multivariable Calculus	3			İ		3						3	
MATH	2111	Note: MATH2111 OR MATH2350 OR MATH2351 Matrix Algebra and Applications	3			i		i							
MATH MATH	2350 2351	Applied Linear Algebra and Differential Equations Introduction to Differential Equations	3			i		i		3				3	
PHYS	1112	Note: PHYS1112 OR PHYS1312 General Physics I with Calculus	3		3	i		ì						3	
PHYS	1312	Honors General Physics I [1 course from the specified course list]	3 3 or 4			<u>:</u>		<u>i                                      </u>						-	
PHYS	1101	Introductory Physics	4			: :		i							
CHEM	1008	Introductory Chemistry	3		(3)	i		i						0	
CHEM LIFS	1020 1901	General Chemistry I General Biology I	3			!		!							
Major Required Co	ourses and Elective	Required credits for Engineering Fundamental Courses es	22-26	11	<u> </u>	<u>:</u>			<u> </u>	1	1	1	<u> </u>	18	<u> </u>
MECH 1990 Industrial Training 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0															
MECH	1906	Mechanical Engineering for Modern Life	3			3		-						3	
MECH MECH	2020 2040	Statics and Dynamics Solid Mechanics I	3	1		3		!	3				<u> </u>	3	
MECH	2210	Fluid Mechanics	3			:		:	3					3	
MECH MECH	2310 2410	Thermodynamics	3	<b> </b>		3	3	!					-	3	
MECH	2410 2520	Engineering Materials I Design and Manufacturing I	3	1		<del></del>	3	<del>!</del>						3	
MECH	3030	Mechanisms of Machinery	3			!		!		3				3	
MECH	3300	Note: MECH3300 OR MECH3420 OR MECH3520 OR MECH3710 Energy Conversion	3			ļ.		!							
MECH MECH	3420 3520	Engineering Materials II Design and Manufacturing II	3			ļ		ļ		3				3	
MECH MECH	3710 3310	Manufacturing Processes and Systems Heat Transfer	3			<del>!                                    </del>		!		3			<u> </u>	3	
MECH	3610	Control Principles	3			!		3						3	
MECH MECH	3630 3830	Electrical Technology	3			<u> </u>		<u>.                                    </u>	3					3	
MECH	3907	Laboratory  Mechatronic Design and Prototyping	3			<del>!                                      </del>		<del>!                                    </del>	3		3			3	
MECH	4900	Final Year Design Project	6			<u> </u>						3	3	6	
ELEC ENGG	2420 2010	Basic Electronics Engineering Seminar Series	3			3 0	0	0	0					0	
LANG	4034	Technical Communication II for Mechanical and Areospace Engineering	3			i	0	Ė	0		3			3	
		quired credits for Major Requirements Courses and Electives	51			İ .		j .						54	
BBA in Fina															
School Requir		Inc		11 .	1	•			1	ı	ı	ı			1
ACCT ACCT	2010 2200	Principles of Accounting I Principles of Accounting II	3	3		<del>i                                     </del>		<del>!                                    </del>	3					3	
ECON	2103	Note: ECON 2103 OR ECON 2113 Principles of Microeconomics	3			3		i						3	
ECON	2113	Microeconomics Note: ECON 2123 OR ECON 3123	3			<u> </u>		<del>i                                      </del>						,	
ECON ECON	2123 3123	Macroeconomics Macroeconomic Theory I	3			i		3						3	
FINA	2303	Financial Management	3		3	i		i						3	FINA 2303 is a major pre-requisite
ISOM	2010	Introduction to Information Systems	3	-						-	-	-	-	0	Substituted by COMP 1021/ 1022P/
		·				<u>:                                    </u>		<del>!                                    </del>							2011/ 2012H Waived for DDP students if they
ISOM	2020	Coding for Business	1	-	•	<u> </u>	•	<u>i                                      </u>	•	-	-	-	-	0	have taken and passed COMP 1021 or COMP 1029P
ISOM ISOM	2500 2600	Business Statistics Introduction to Business Analytics	3	3		i		1						3	
ISOM	2700	Operations Management	3			<u> </u>		i				3		3	
MARK	2120	Marketing Management	3			<u> </u>	3	i .						3	
MGMT MGMT	2010 2110	Business Ethics and the Individual Organizational Behavior	3			<del></del>	3	<del>i                                     </del>				2		3	
MGMT	2130	Business Ethics and Social Responsibility	2					:					2	2	
LANG	2061 2062 3060	Note: LANG 2061 OR 2062 OR 3060 Professional Writing for the Workplace Professional Speaking for the Workplace Advanced Academic Writing	3 3 3									3		3	Non DDP-ECON students take ONLY a 3-credit of SBM-specific English course, in which they can choose from one of the three LANG courses (LANG 2061, LANG 2062,
MATH	1003	Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4			:		:							or LANG 3060).  DDP students should take MATH
MATH MATH	1003 1012	Calculus and Linear Algebra Calculus IA	3 4	(3)	ĺ	!		!	ĺ				Ì	0	1012 or MATH 1013 or MATH 1020 or MATH 1023 to satisfy the
MATH MATH	1013 1020	Calculus IB Accelerated Calculus	3 4	(0)	ĺ	!		!	ĺ				Ì		requirements of both BEng and BBA degrees
MATH	1023	Honors Calculus I  Required credits for School Requirements	3 43-44			<u> </u>		!					L	35	227 4091000
Major Require															·
	ourses and Elective			1	1	·		•	1						
FINA	3103	Key Skills for Finance Professionals (A) Intermediate Investments	3	1		<del>!                                      </del>		3					<u> </u>	3	
FINA	3203	Derivative Securities	3			<del>:</del>		<u> </u>	3				t	3	
FINA	3303	Intermediate Corporate Finance	3					<u> </u>		3				3	
FINA	3810	Bloomberg Market Concepts Certification	0			<u> </u>		0						0	
ACCT	3010	Note: (ACCT 3010 AND ACCT 3020) OR ACCT 3030 Financial Accounting I	3-6 3			i		!		3				3	
ACCT ACCT	3020 3030	Financial Accounting II Intermediate Financial Accounting for Non-Accounting Majors	3	L	<u></u>	<u> </u>		<u>L</u>	<u></u>	3			<u> </u>	3	
ISOM	3230	Note: ISOM 3230 OR ISOM 3400 Business Programming in VBA	3			:		!	3					3	If DDP students took COMP 1021 in BEng requirement, they are
ISOM	3400	Business Applications Development in Python	3	1		<u> </u>		<u> </u>			_	_	<del>  _</del>		required to enroll ISOM 3230.
FINA		FINA 3000-level or above Electives (Any 3 courses of the subject and level as specified)	9			<u>.                                    </u>		<u>i                                    </u>			3	3	3	9	
Additional D	Paguirament	Required credits for Major Required Courses and Electives	25-28	11	<u> </u>	<u></u>		<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	25	<u> </u>
Additional R															
Requirements Required Courses		ee Flogialii													
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			ļ		4						4	
	<b>!</b>	Required credits for Additional Requirements				<u>.                                    </u>		i						7	
University CO	RE		1	а	•				•						•
CORE	C3 - C9	U CORE - Others	21				6				6	3	6	21	
CORE	C1 & C2	U CORE - English Language	6	3	3	<u> </u>		<u>i                                     </u>						6	
HMAW	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	3	1	2	<u>:</u>		<del>!</del>						3	
<u> </u>		Sub-total for University CORE	30	1	<u> </u>	<u>:                                    </u>		Term load (e	xcl, free cro	dits)			<u> </u>	30	<u> </u>
				16	17	15	18	18	21	18	15	17	14	1	
								1	69##					]	
Notes:						<< Declar BEng ma		<< Decla BBA maj							
( ) indicates the reuse						y maj		DUA IIIAJ	~1						

\*\*Remarks on course(s):

<sup>()</sup> indicates the reuse of the same course to fulfill more than one requirement.

<sup>\*</sup> Courses offered in winter term

<sup>^</sup> Courses offered in summer term --- denotes the course/requirement is either waived or substituted

<sup>##</sup> To graduate, students should complete all requirements as specified for DDP.

<sup>&</sup>gt;> 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.