The Hong Kong University of Science and Technology

		The Hong Kong Univ Academy o	f Interdis	ciplinary	Studies	_	У							GBM DP PBA)	2024-25 Intake
		An Example on Stu	dent's Path	way (as of A	August 8, 20	<< Declarati	on of BEng	<< Declarati	ion of BBA						
Seli e eli		Only of Function and Only of Dustrians Management				major		major							
School:		School of Engineering and School of Business Management							;	Student's Path	way				
Program:		Dual Degree Program (BEng in Bioengineering and BBA in General Business Manager	nent)												
Course Offering Dept (course code prefix)	Course Cod	e 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
								I							
		engineering													
-	equireme														
ngineerin	g Fundame	ental Courses Note: [COMP 1021] OR [(COMP 1022P OR COMP 2011) AND COMP1029P]	3-6		-		1	1	1	1	1	-		1	
COMP COMP COMP	1021 1022P 1029P	Introduction to Computer Science Introduction to Computing with Java Python Programming Bridging Course	3 3 1		3									3	Students should take COMP10 which will also be used to substitute ISOM 2010 and to
COMP COMP	2011 2012H	Programming with C++ Honors Object-Oriented Programming and Data Structures	4 5					i I							waive ISOM 2020
HEM	1012	General Chemistry B: Atomic Structure, Molecules, and Bonding Theories	3	3										3	
HEM	1052	Laboratory for General Chemistry B	1	1				! !						1	
IFS	1901	General Biology I	3	3				1						3	
1АТН 1АТН	1012 1013	Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND ((MATH 1014 OR MATH 1024)] OR [MATH 1020] Calculus IA Calculus IB	4-7 4 3	3	3			l I						6	
ЛАТН ЛАТН	1014 1020	Calculus II Accelerated Calculus	3 4	3	5			Į –						0	
ATH ATH ATH	1020 1023 1024	Honors Calculus I Honors Calculus I	4 3 3			ļ		i	1				1		
PHYS PHYS	1024 1112 1312	Note: PHYS 1112 OR PHYS 1312 General Physics I with Calculus Honors General Physics I	3 3 3			3								3	
BENG		Engineering Introduction course (If the students take an introduction course included in their major, this course can be counted towards their major requirement.)	3-4		(3)	<u> </u>		; 						0	
		Required credits for Engineering Fundamental Courses	20-27			i								19	
Major Requ	uired Cours	ses and Electives													
BIEN	1010	Note: BIEN 1010 OR CENG 1000 Introduction to Biomedical Engineering	3		3	!								3	
CENG	1000	Introduction to Chemical and Biological Engineering	3					I	-			-	-	0	
	2310	Modeling for Chemical and Biological Engineering	3	┨────		3		<u>!</u>	0			+		3	
BIEN	2410	Cellular and Systems Physiology for Engineers	3			<u> </u>		i	3					3	
	2610	Chemical Biology for Engineers	3			3		1						3	
	2990	Academic and Professional Development I	1			1								1	
IEN	3300	Data Science for Molecular Engineering Note: BIEN 3310 OR BIEN 3320	3					3						3	
IEN	3310 3320	Data Science for Neural Engineering Data Science for Biology and Medicine	3				3							3	
IEN	3410	Introduction to Bioinstrumentation and Bioimaging	3					1		3				3	
IEN	3910	Bioengineering Laboratory	4			i		i		4				4	
IEN	4920 4930	Note: BIEN 4920 OR BIEN 4930 OR BIEN 4940 Bioengineering Capstone Design Bioengineering Thesis Research	6 6			ļ		 				3	3	6	
BIEN BIEN	4940 4990	Bioengineering Industrial Project Academic and Professional Development II	6			i		i	-			-	1	1	
CENG	2210	Chemical and Biological Engineering Thermodynamics	3				3							3	
CENG	2220	Transport Phenomena I	3				Ū	<u>.</u>				3		3	
ENG	3230	Chemical and Biological Reaction Engineering	3			i				3				3	
NGG	2010	Engineering Seminar Series	0			0	0	0	0					0	
SCI/SENG		Bioengineering Electives (5 courses from the specified elective list, of which at least 9 credits should be taken from a single specialty area (Area 1 or Area 2). Out of the 15 credits taken, at least 9 credits should be at 4000-level)	15					1	3		6		6	15	
		Required credits for Major Required Courses and Electives	57		L			Ī			L			57	
		al Business Management													
School F	Requiren	nents													
ССТ	2010	Principles of Accounting I	3	3		; 			ļ			ļ	ļ	3	
ССТ	2200	Principles of Accounting II Note: ECON 2103 OR ECON 2113	3	l		<u>.</u>	ļ	i	3			-		3	
CON CON	2103 2113	Principles of Microeconomics Microeconomics Note: ECON 2123 OR ECON 3123	3 3			3		ļ						3	-
CON CON	2123 3123	Macroeconomics Macroeconomic Theory I	3 3			<u>. </u>		I		3				3	
INA	2303	Financial Management	3				3							3	
SOM	2010	Introduction to Information Systems	3	-	-		-	<u>.</u>	-	-	-	-	-	0	Substituted by COMP 1021/1022P/2011/2012H
SOM	2020	Coding for Business	1	-	-		-		-	-	-	-	-	0	Waived for DDP students if the have taken and passed COMP1021 or COMP 1029P
SOM	2500	Business Statistics	3		3	į		i i						3	Substituted by
SOM	2600	Introduction to Business Analytics	1	-	-	<u>ļ</u> .	-	-		-		-		0	BIEN 3310/3320
SOM	2700	Operations Management	3	I		i	-	3	+			+	+	3	-
IARK IGMT	2120 2010	Marketing Management	3	┨────		<u>i</u>	3		+		-	+	+	3	-
GMT GMT	2010 2110	Business Ethics and the Individual Organizational Behavior	2			<u> </u>	3	!			2			2	+
GMT	2110	Business Ethics and Social Responsibility	2			i	5	!	1		-	1	2	2	+
ATH ATH ATH	1003 1012 1013	Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra Calculus IA Calculus IB	3-4 3 4 3	(3)										0	DDP students should take MAT 1012 or MATH 1013 or MATH 1020 or MATH 1023 to satisfy ti requirements of both BEng an
ATH ATH	1020 1023	Accelerated Calculus Honors Calculus I	4 3			i 		i							BBA degrees
		Required credits for School Requirements	39-40			1		1						31	
	equireme														
, ,	uired Cours	ses and Electives		1	1						I			1	
3&M		SB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least 4 courses are of 3000-level or above.)	29		<u> </u>	!		3	3	4	6	7	6	29	
		Required credits for Major Required Courses and Electives	29					i						29	
		quirements													
		r Dual Degree Program													
equired C				1	1				0		1	1	1	1	
MG	1010	T&M Professional Activities	0	0							0	0	0		

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	

		uirement is either waived or substitued													
Notes: () indicates the reuse of the same course to fulfill more than one requirement.						<< Declarati major		<< Declaratio major	on of BBA						
			173##												
					20	16	18	19	18	17	17	13	18		
Sub-total for University CORE 36					Term load (excl. free credits)									30	L
HMAW	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	3	1	2	ļ		ļ						3	
CORE	C1 & C2	U CORE - English Language	6	3	3			!						6	
CORE	C3 - C9	U CORE - Others	21			3	3	6	6		3			21	
Univers	sity CORE			1											
		Required credits for Additional Requirements	7			+		-						7	
		T&M Corporate Consulting Project	3-5												

>> 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.