The Hong Kong University of Science and Technology Academy of Interdisciplinary Studies An Example on Student's Pathway (as of Dec 21, 2025)

BEGBM 2025-26 Intake (Via DDP PBA)

		An Example on S		<< Selection		<< Declaration	on of BEng	<< Selection major	of BBA						
		School of Engineering and School of Business Management				1		Student's Pathway							
D		Dual Degree Program (BEng in Bioengineering and BBA in General Bi Management)													
Course Offering Dept. (course code prefix)	Course Code	Course Title / Courses List	Credits	Year 1 Fall	Year 1 Spring	Year 2 Fa II	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 i	n Bioen	gineering									·		ı		
Engineer	ing Funda	mental Courses Note: COMP 1022P OR COMP 1023 OR COMP 2011 OR COMP 2012H	3-5			ı		1	ı			1	1		
COMP	1022P		3-5					į							Students about take COMP 1022P COMP 1023 COMP 2011 or COMP 2012H which will also be used to substitute ISOM
COMP COMP COMP	1023 2011	Introduction to Computing with Java Introduction to Python Programming Programming with C++ Honors Object-Oriented Programming and Data Structures	3 4		3									3	Students should take COMP 1022P, COMP 1023, COMP 2011 or COMP 2012H which will also be used to substitute ISON 2010 and to waive ISOM 2020
CHEM	2012H 1012	Honors Object-Oriented Programming and Data Structures General Chemistry B: Atomic Structure, Molecules, and Bonding Theories	3	3										3	
CHEM	1052	Laboratory for General Chemistry B	1		- 1									- 1	
LIFS	1901	General Biology I Note: MATH 1013 OR MATH 1020 OR MATH 1023	3 3-4	3										3	Students with level 3 or above in HKDSE 1x Biology are exempted from taking LIFS 1901
MATH MATH MATH	1013 1020 1023	Calculus I Acoelerated Calculus Honors Calculus I	4 3 4		3									3	DDP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees
		Note: PHYS 1112 OR PHYS 1312	3												
PHYS PHYS	1112 1312	General Physics I with Calculus Honors General Physics I	3	3				Ì						3	
		Required Credits for Engineering Fundamental Courses	16-19	9	7	0	0	۰	0	0	0	0	0	16	
Major Re	equired Co	ourses and Electives Introduction to Bioengineering	3	1	3	1		1	ı .			1	I	3	Those entering the Bioengineering in Year 2 will take this cousre in Year 2 Spring.
BIEN	2410	Cellular and Systems Physiology for Engineers	3				3							3	
BIEN	2610 3250	Chemical Biology for Engineers Rate and Transport Processes in Biological Systems	3			3		3						3	
BIEN	3300	Data Science for Molecular Engineering	3			3								3	
BIEN	3310	Note: BIEN 3310 OR BIEN 3320 Data Science for Neural Engineering	3			1		[3]	3					3	BIEN 3310/3320 which will also be used to substitute ISOM 2600
BIEN BIEN	3320 3410	Lista Science for Biology and Medicine Introduction to Bioinstrumentation and Bioimaging	3	-		<u> </u>		3				-		3	
BIEN	3420	Biosensors and Bioinstrumentation for Healthcare	3						3					3	
BIEN	3910	Bioengineering Laboratory Note: BIEN 4920 OR BIEN 4930 OR BIEN 4940	4	 	$\vdash \equiv$	l —		4					$\vdash \equiv$	4	
BIEN	4920	Bioengineering Capstone Design	6			1						3	3	6	
BIEN BIEN BIEN	4930 4940	Bioengineering Thesis Research Bioengineering Industrial Project	6 6			<u></u>									
CENG	1000	Foundations of Chemical and Biological Engineering Academic and Professional Development I	3	3										3	Those entering the Bioengineering in Year 2 will take this cousre in Year 2 Fall. Those entering the Bioengineering in Year 2 will take this cousre in Year 2 Fall.
CENG	2210	Chemical and Biological Engineering Thermodynamics	3				3							3	Those streeting the coverige sering in 1 talk a life serior that couldn't 1 talk a 1 st.
CENG	2310 2320	Modeling for Chemical and Biological Engineering I Modeling for Chemical and Biological Engineering II	3	-		3	3	 				-		3	
CENG	4020	Academic and Professional Development II	0				3		0					0	
SSCI/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 or above). Courses taken as Major Required Courses may not be counted towards this elective requirement.	15							3	3	3	6	15	
		BEng in Bioengineering Major Requirements	61	3	3	9	9	10	6	3	3	6	9	61	
	Requiremen	Il Business Management													
ACCT	2010	Principles of Accounting I	3	3										3	
ACCT	2200	Principles of Accounting II Note: ECON 2103 OR ECON 2113	3	1					3					3	
ECON ECON	2103 2113	Principles of Microeconomics Microeconomics	3			3								3	
		Note: ECON 2123 OR ECON 3123	3												
ECON ECON	2123 3123	Macroeconomics Macroeconomic Theory I	3 3							3				3	
FINA	2903	Financial Management	3				3							3	
ISOM	2010	Introduction to Information Systems	3	-	-	-	-	-	-	-	-	-	-	0	COMP 1023, COMP 1022P, COMP 2011 and COMP 2012H are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP 1022P, COMP 1023, COMP 2011 or COMP 2012H instead of ISOM 2010.
ISOM	2020	Coding for Business	1	-		-			-	-		-	-	0	ISOM 2020 is waived for DDP students who have taken and passed COMP 1023 or COMP 1029 or COMP2011 or COMP2012H. These COMP courses are similar or more advanced coding (Python) courses as ISOM 2020.
ISOM	2500	Business Statistics	3	-	3	-			-	-		-	-	3	CONTROLLE THESE CONTROLS AND ATTER OF THOSE SEPTEMBER CODING (IV PRINTING COLUMN AND TOOLS AND ADDRESS
ISOM	2900 2700	Introduction to Business Analytics	1 3					3						0	Substituted by BIEN 3310/3320
MARK	2120	Operations Management Marketing Management	3				3							3	
MGMT	2010 2110	Business Ethics and the Individual Organizational Behavior	2	-			3	 			2	-		2	
MGMT	2130	Business Ethics and Social Responsibility	2										2	2	
		Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4					l							
MATH MATH MATH MATH	1003 1013 1020	Calculus and Linear Algebra Calculus Accelerated Calculus Honors Calculus I	3 3 4	(3)										0	DDP students should take MATH 1013 and MATH 1023 or MATH 1020 to satisfy the requirements of both BErg and BBA degrees
MATH	1020 1023	Honors Calculus Required Credits for School Requirements	3	3	3	3	9	3	3	3	2	0	2	31	
Major Re	equired Co	ourses and Electives	39-40	3			,		3	3		, ,	- 2	31	
SB&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					3	4	4	9	6	3	29	
		quired Credits for Major Required Courses and Electives	23	0	0	0	0	3	4	4	9	6	3	29	
Addition Requires	nal Req	uirement for Dual Degree Dual Degree Program													<u> </u>
TEMG	1011	T&M Professional Activities I	0	0	0									0	
TEMG TEMG	1012 1013	T&M Professional Activities II T&M Professional Activities III	0	-		0	0	0	0			-		0	1
TEMG	1014	TSM Professional Activities IV	0							0	0			0	To graduate, students should complete ALL requirements as specified for DDP.
TEMG TEMG	1015 3950	T&M Professional Activities V T&M Case Analysis and Product Innovation	3	1	3	 						0	0	3	1
TEMG	4950	T&M Corporate Consulting Project Required Credits for Additional Requirements	3-5						4					4	
Universi	ty Comm	no Core Requirement	7	0	3	0	0	0	4	0	0	0	0	7	
CORE	C3 - C9	U CORE - Others	21			6				6	3	3	3	21	
CORE	C1 & C2 1906	U CORE - English Language Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	6	3	3	 		_						6	
HMAW	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Welfness Sub-total for University CORE		4	5	6		<u> </u>		6	3	3	3	30	
		and the same of th							cl free credits)						1
				19	21	18	18		17	16	17	15	17	174	
Notes:														1	

Notes:
() indicates the reuse of the same course to fulfill more than one requirement.
() courses offered in winter term
() Courses offered in surmer term
() courses offered in surmer term
() denotes the course/requirement is either waived or substituted
are To graduate, suckerial should complete all requirements as specified for DDP.