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

BTMGMT 2025-26 Intake
(Via DDP PBA)

				<< Selection of BSc major		<< Selection of BBA major								

School:	School of Science and School of Business Management			Student's Pathway										
Program:	Dual Degree Program (BSc in Biotechnology and BBA in Management)													

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

BSc in Biotechnology
School Requirements

COMP / COMP / COMP	1021 / 1022P / 1023	Note: COMP1021 OR COMP1022P OR COMP2011 Introduction to Computer Science Introduction to Computing with Java Introduction to Python Programming	3 / 3 / 3			3								3	Students should take COMP 1021, COMP 1022P or COMP 1023 which will also be used to substitute ISOM 2010 and to waive ISOM 2020
SSCI		Science Foundation courses [8 courses from the specified elective list. Students should take (i) 7 foundation lecture courses, including at least 1 lecture course, but no more than 3 lecture courses, from each of the four disciplines: CHEM, LIFS/OCES, MATH/DASC and PHYS; and (ii) 1 laboratory course.]	22-26												
CHEM	1008	Introductory Chemistry	3												
CHEM	1011	General Chemistry A: Reactions, Thermodynamics, and Reaction Kinetics	3												
CHEM	1012	General Chemistry B: Atomic Structure, Molecules, and Bonding Theories	3												
CHEM	1051	Laboratory for General Chemistry A	1												
CHEM	1052	Laboratory for General Chemistry B	1												
DASC	2010	Calculus for Data Analytics in Science	3												
LIFS	1030**	Environmental Science	3												LIFS1901 & LIFS1902 are Major Pre-requisite
LIFS	1901@	General Biology I @	3												
LIFS	1902@	General Biology II @	3												
LIFS	1903	Laboratory for General Biology I	3												
LIFS	1904	Laboratory for General Biology II	1												
LIFS	1930	Nature of Life Sciences													
LIFS	2210	Biochemistry I	3												
MATH	1005	Calculus and Statistics	4												Students are recommended to take CHEM1011, CHEM1012, LIFS1903, LIFS2210 and MATH1013 to satisfy the requirements of both SSCI School requirements and Major requirements
MATH	1006	Calculus, Vectors, and Matrices	4	10	3	6	3							22	
MATH	1013	Calculus I	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												
MATH	2023	Multivariable Calculus	4												
MATH	2111	Matrix Algebra and Applications	3												
MATH	2121	Linear Algebra	4												
MATH	2131	Honors in Linear and Abstract Algebra I	4												
OCES	1001	The Earth as a Blue Planet	3												
OCES	1010	Principles and Applications of Environmental Science	3												
PHYS	1101	Introductory Physics	4												
PHYS	1111	General Physics I	3												
PHYS	1112	General Physics I with Calculus	3												
PHYS	1113	Laboratory for General Physics I	1												
PHYS	1114	General Physics II	3												
PHYS	1115	Laboratory for General Physics II	1												
PHYS	1312	Honors General Physics I	3												
PHYS	1314	Honors General Physics II	3												
		Required Credits for School / Major Pre-requisite Requirements	25-29	10	3	9	3	0	0	0	0	0	0	25	

Major Required Courses and Electives

LIFS	1903	Laboratory for General Biology I	1	(1)										0	Note: Students with level 3 or above in HKDSE 1x Biology are exempted from taking LIFS 1903
LIFS	1904	Laboratory for General Biology II	1		1									1	
LIFS	2040	Cell Biology	3				3							3	
LIFS	2070	Introduction to Biotechnology	3			3								3	
LIFS	2080	Plant Biology	3				3							3	
LIFS	2210	Biochemistry I	3		(3)									0	
LIFS	2220	Biochemistry II	3						3					3	
LIFS	3150	Biostatistics	3					3						3	
		Note: LIFS4963 OR (LIFS4973 AND LIFS4983) OR (SCIE4500 AND LIFS4983) [Students following IRE Track can only use (SCIE4500 AND LIFS4983) to fulfill the requirement.]	3-7												
LIFS	4963	Biotechnology Capstone Project	3								[3]	3		3	
LIFS	4973	Biotechnology Project Research I	3												
LIFS	4983	Biotechnology Project Research II	4												
SCIE	4500	IRE Research Project II	5												
CHEM	1011	General Chemistry A: Reactions, Thermodynamics, and Reaction Kinetics	3	(3)										0	
CHEM	1012	General Chemistry B: Atomic Structure, Molecules, and Bonding Theories	3		(3)									0	
CHEM	1051	Laboratory for General Chemistry A	1	1										1	
CHEM	1052	Laboratory for General Chemistry B	1		1									1	
		Note: CHEM 2111 OR CHEM 2311	3												
CHEM	2111	Fundamentals of Organic Chemistry	3					3						3	
CHEM	2311	Analytical Chemistry	3												
		Note: CHEM2155 OR CHEM2355	1												
CHEM	2155	Fundamental Organic Chemistry Laboratory	1						1					1	
CHEM	2355	Fundamental Analytical Chemistry Laboratory	1												
LIFS/BTEC/ OCES/PHYS/ BIENCENG		Biotechnology Electives (Courses from the specified elective list; 15-18 Students following IRE Track are required to take a minimum of 15 credits; while others a minimum of 18 credits. Courses taken as Major/Track Required Courses may not be counted towards the elective requirement.)	15-18						3		3	6	3	15	

Applied Bioscience Track/ Entrepreneurship Track

| LIFS/ CENG/ SCIE | | Students should follow one of the tracks and complete all requirements as specified: Applied Bioscience Track OR Entrepreneurship Track | 18-19 | | | | | 3 | 4 | 3 | 3 | 3 | 3 | 19 | Please refer to the curriculum of BIOT for details of the requirements of each track. |
| | | **Required Credits for School / Major Pre-requisite Requirements** | 68-76 | 1 | 2 | 3 | 6 | 9 | 11 | 3 | 6 | 9 | 9 | 59 | |

BBA in Management
School Requirements

ACCT	2010	Principles of Accounting I	3	3										3	
ACCT	2200	Principles of Accounting II	3						3					3	
		Note: ECON 2103 OR ECON 2113	3												
ECON	2103	Principles of Microeconomics	3				3							3	
ECON	2113	Microeconomics	3												
		Note: ECON 2123 OR ECON 3123	3												
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, COMP 1022P or COMP 1023
ISOM	2020	Coding for Business	1	-	-	-	-	-	-	-	-	-	-	0	Waived for DDP students if they have taken and passed COMP 1021, COMP 1022P or COMP 1023
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	
		Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4												
MATH	1003	Calculus and Linear Algebra	3	(3)										3	DDP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees
MATH	1013	Calculus I	3												
MATH	1020	Accelerated Calculus	4												
MATH	1023	Honors Calculus I	3												
		Required Credits for School Requirements	39-40	3	5	6	6	3	3	3	1	0	2	32	

Major Required Courses and Electives

		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												
		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												
		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	26-27	0	0	0	0	4	4	3	3	3	3	20	

Additional Requirement for Dual Degree
Requirements for Dual Degree Program

TEMG	1011	T&M Professional Activities I	0	0	0									0	
TEMG	1012	T&M Professional Activities II	0			0	0							0	
TEMG	1013	T&M Professional Activities III	0				0	0						0	To graduate, students should complete **ALL** requirements as specified for DDP.
TEMG	1014	T&M Professional Activities IV	0					0	0					0	
TEMG	1015	T&M Professional Activities V	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	0	3	0	0	0	4	0	0	0	0	7	

University Common Core Requirement

CORE	C3 - C9	U CORE - Others	21			3				3	6	9		21	
CORE	C1 & C2	U CORE - English Language	6	3	3									6	
HMAW	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	3	1	2									3	
		Sub-total for University CORE	30	4	5	3	0	0	0	3	6	9	0	30	
		Term load (excl. free credits)		18	18	21	15	16	22	12	16	21	14	173	
								173##							

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.