

School:		School of Science and School of Business Management		Student's Pathways (i.e. Study Pattern)														Remarks
Department:		Dual Degree Program (BSc in Biotechnology and BBA in General Business Management)		Background: HKDSE 4 Core + 2 Elec (incl. 1/2x BIOL, 1/2x CHEM)														
Program:		Dual Degree Program (BSc in Biotechnology and BBA in General Business Management)		Profile: Normative. Students to graduate in (BSc & BBA) BTGBM														
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				
BSc in Biotechnology School Requirements																		
SCIE	1020	Science School Induction	0	0	0									0				
COMP	1001	Exploring Multimedia and Internet Computing	3											3	This course will be used to substitute ISOM 2010 (Except COMP2011)			
COMP	1021	Introduction to Computer Science	3															
COMP	1022P	Introduction to Computing with Java	3															
COMP	1022Q	Introduction to Computing with Excel VBA	3															
COMP	2011	Programming with C++	4															
LANG	2010	English for Science I	3											3				
<p>Science foundation courses or 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 discipline: CHEM, LIFS, MATH and PHYS; and (ii) 1 laboratory course.</p>																		
CHEM	1004	Chemistry in Everyday Life	3												LIFS1901 & LIFS1902 are Major Pre-requisite			
CHEM	1010	General Chemistry IA	3															
CHEM	1020	General Chemistry IB	3															
CHEM	1050	General Chemistry II	1															
CHEM	1055	Laboratory for General Chemistry I	1															
LIFS	1901	Environmental Science	3															
LIFS	1902	General Biology I*	3															
LIFS	1903	General Biology II*	1															
LIFS	1904	Laboratory for General Biology I	1															
LIFS	1900	Laboratory for General Biology II	3															
LIFS	2210	Nature of Life Sciences	3															
MATH	1012	Biochemistry I	4	6	7	6	3							22				
MATH	1013	Calculus IA	3															
MATH	1014	Calculus IB	3															
MATH	1020	Calculus II	4															
MATH	1023	Accelerated Calculus	3															
MATH	1024	Honors Calculus I	3															
MATH	2003	Honors Calculus II	4															
MATH	2121	Multivariable Calculus	4															
MATH	2131	Linear Algebra	4															
PHY	1001	Honors in Linear and Abstract Algebra I	3															
PHY	1111	Physics and the Modern Society	3															
PHY	1112	General Physics I	3															
PHY	1113	General Physics I with Calculus	1															
PHY	1114	Laboratory for General Physics I	3															
PHY	1115	General Physics II	1															
PHY	1312	Laboratory for General Physics II	3															
PHY	1314	Honors General Physics I	3															
Required credits for School / Major Pre-requisite Requirements			28-32											28				
Major Requirements																		
Major Required Courses and Electives																		
LIFS	1903	NOTE: Students with level 3 or above in HKDSE 1st biology are exempted from taking LIFS 1903 Laboratory for General Biology I	1	(1)										0				
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	2680	Microbiology	3						3					3				
LIFS	3110	Biotechnological Application of Recombinant DNA Techniques	3					3						3				
LIFS	3140	General Genetics	4						4					4				
LIFS	4150	Plant Biotechnology	3								3			3				
LIFS	4200	Concepts and Issues in Contemporary Biotechnology	3							3				3				
LIFS / SCIE		NOTE: Students with level 3 or above in HKDSE 1st biology are exempted from taking LIFS 4983 and SCIE 4500 AND LIFS 4983 to fulfill the requirement. Biotechnology Capstone Project I	3-7															
LIFS	4963	Biotechnology Capstone Project I	3										[3]	3				
LIFS	4973	Biotechnology Project Research I	3											3				
LIFS	4983	Biotechnology Project Research II	4											4				
SCIE	4500	IRE Research Project II	3											3				
CHEM	1010	NOTE: CHEM 1010 OR CHEM 1020 General Chemistry IA	3											0				
CHEM	1020	General Chemistry IB	3		(3)									0				
CHEM	1030	General Chemistry II	3			(3)								0				
CHEM	1050	Laboratory for General Chemistry I	1	1										1				
CHEM	1055	Laboratory for General Chemistry II	1		1									1				
CHEM	2110	NOTE: CHEM 2110 OR CHEM 2311 Organic Chemistry I	3					3						3				
CHEM	2311	Analytical Chemistry	3											3				
CHEM	2155	NOTE: CHEM 2155 OR CHEM 2355 Fundamental Organic Chemistry Laboratory	1					1						1				
CHEM	2355	Fundamental Analytical Chemistry Laboratory	1											1				
CENG	1630	Biotechnology and Its Business Opportunities	3								3			3				
LANG	3014**	Laboratory Report Writing for Life Science Students**	1					1						1				
LANG	4014**	English for Life Science Capstones and Final Year Project**	2											2				
LIFS/BIOTEC/BIEN/CENG		Biotechnology Electives (Courses from the specified elective list. 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				
Required credits for Major Required Courses and Electives			66-73											56				
BBA in General Business Management																		
School Requirements																		
ACCT	2010	Principles of Accounting I	3			3								3				
ACCT	2200	Principles of Accounting II	3							3				3				
ECON	2103	NOTE: ECON 2103 OR ECON 2113 Principles of Microeconomics	3					3						3				
ECON	2113	Microeconomics	3											3				
ECON	2123	NOTE: ECON 2123 OR ECON 3123 (Students who wish to pursue BSc ECoP must take ECON 3123) Macroeconomics	3											3				
ECON	3123	Macroeconomic Theory I	3					3						3				
FINA	2303	Financial Management	3											3				
ISOM	2010	Introduction to Information Systems	3	--	--	--	--	--	--	--	--	--	--	0	Substituted by COMP 1001/1021/1022P/1022Q			
ISOM	2500	Business Statistics	3					3						3				
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				
SBMT	1111	Business Student Induction	0	--	--	--	--	--	--	--	--	--	--	0	Waived for DDP students			
LABU	2060**	Effective Communication in Business**	3											3				
LABU	2040**	Business Case Analysis**	3					3						3				
MATH		NOTE: MATH 1012 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra	3-4															
MATH	1003	Calculus IA	3												DDP students should take MATH 1013 OR MATH 1023 to satisfy the requirements of both BSc and BBA degrees			
MATH	1012	Calculus IA	3															
MATH	1013	Calculus IB	3		(3)													
MATH	1020	Accelerated Calculus	4															
MATH	1023	Honors Calculus I	3															
Required credits for School Requirements			43-44											37				
Major Requirements																		
Major Required Courses and Electives																		
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		3		3	7	3		10	29				
Required credits for Major Required Courses and Electives			29											29				
Additional Requirements																		
Requirements for Dual Degree Program																		
Required Courses																		
TEMG	1010	Technology and Management Professional Activities	0	0	0	0	0	0	0	0	0	0	0	0				
Required credits for Additional Requirements			0											0				
University CORE																		
CORE	C3 - C12	U CORE - Others	30	9	3	3					3	9		3	30			
CORE	C1 & C2	U CORE - English Language	6	3	3									6				
Sub-total for University CORE			36											36				
Term load (excl. free credits)																		
18 18 18 18 20 18 18 18 19 17 18																		
182##																		
<< Declaration of major																		

Notes:
 @ Course that students need to complete before enrolling into respective major/programs.
 () indicates the reuse of the same course to fulfill more than one requirement.
 {} indicates the course overlapping with another requirement will not be necessarily counted towards the School Requirements.
 -- denotes the course/requirement is either waived or substituted
 ## To graduate, students should complete all requirements as specified for DDP.

*Remarks on course(s):
 - LABU 2040: This is a new course subject to approval, (effective from 2016/17 and applicable to students admitted in or after 2016/17)
 - LABU 2060: This is a new course subject to approval, (effective from 2016/17 and applicable to students admitted in or after 2016/17)
 - LANG 3014: This is a new course subject to approval, (effective from 2016/17 and applicable to students admitted in or after 2016/17)
 - LANG 4014: This is a new course subject to approval, (effective from 2016/17 and applicable to students admitted in or after 2016/17)
 - MGMT2010: Previous Course Code: SBMT 2010

>> 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.