

School:		School of Science and School of Business Management				<< Declaration of major											
Department:		Dual Degree Program (BSc in Biotechnology and BBA in General Business Management)				Student's Pathways (i.e. Study Pattern)											
Program:		Dual Degree Program (BSc in Biotechnology and BBA in General Business Management)				Pathway 1											
Course Offering Dept. (course code prefix)		Course Title / Courses List				Background: HKDSE 4 Core + 2 Elec (incl. 1/2x BIOL, 1/2x CHEM) Profile: Normative. Students to graduate in (BSc & BBA) BTGBM											
						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																	
SCIE	1000	Science School Induction	0														0
COMP	1001	COMP2011 Exploring Multimedia and Internet Computing	3														3
COMP	1021	Introduction to Computer Science	3														3
COMP	1022P	Introduction to Computing with Java	3														3
COMP	1022Q	Introduction to Computing with Excel VBA	3														3
COMP	2011	Introduction to Object-oriented Programming	4														4
LANG	2010	English for Science I	3														3
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 discipline: CHEM, LIFS, MATH and PHYS; and (ii) 1 laboratory course.)	21-25														
CHEM	1004	Chemistry in Everyday Life	3														0
CHEM	1010	General Chemistry IA	3														3
CHEM	1020	General Chemistry IB	2														0
CHEM	1030	General Chemistry II	3														3
CHEM	1050	Laboratory for General Chemistry I	1														0
CHEM	1055	Laboratory for General Chemistry II	1														0
LIFS	1030	Environmental Science	3														0
LIFS	1901	General Biology I	3														3
LIFS	1902	General Biology II	3														3
LIFS	1903	Laboratory for General Biology I	1														1
LIFS	1904	Laboratory for General Biology II	1														0
LIFS	1930	Nature of Life Sciences	3														0
LIFS	2210	Biochemistry I	3														3
MATH	1012	Calculus IA	4														0
MATH	1013	Calculus IB	3														3
MATH	1014	Calculus II	3														0
MATH	1020	Accelerated Calculus	4														0
MATH	1023	Honors Calculus I	3														0
MATH	1024	Honors Calculus II	3														0
MATH	2023	Multivariable Calculus	4														0
MATH	2121	Linear Algebra	4														0
MATH	2131	Honors in Linear and Abstract Algebra I	4														0
PHYS	1001	Physics and the Modern Society	3														3
PHYS	1111	General Physics I	3														0
PHYS	1112	General Physics I with Calculus	3														0
PHYS	1113	Laboratory for General Physics I	1														0
PHYS	1114	General Physics II	3														0
PHYS	1115	Laboratory for General Physics II	1														0
PHYS	1312	Honors General Physics I	3														0
PHYS	1314	Honors General Physics II	3														0
Required credits for School / Major Pre-requisite Requirements			27-32														28
Major Requirements																	
Major Required Courses and Electives																	
LIFS		Note: Students with level 3 or above in HKDSE 1x Biology are exempted from taking LIFS 1903	0-1														0
LIFS	1903	Laboratory for General Biology I	1														1
LIFS	1904	Laboratory for General Biology II	1														1
LIFS	2040	Cell Biology	3														3
LIFS	2070	Introduction to Biotechnology	3														3
LIFS	2080	Plant Biology	3														3
LIFS	2210	Biochemistry I	3														0
LIFS	3060	Microbiology	3														3
LIFS	3110	Biotechnological Application of Recombinant DNA Techniques	3														3
LIFS	3140	General Genetics	4														4
LIFS	4150	Plant Biotechnology	3														3
LIFS	4200	Concepts and Issues in Contemporary Biotechnology	3														3
LIFS / SCIE		Note: LIFS1903 OR LIFS1904 OR LIFS2070 OR LIFS2080 OR LIFS2210 OR LIFS3060 OR LIFS3110 OR LIFS3140 OR LIFS4150 OR LIFS4200 AND SCIE1000 AND LIFS1903 to fulfill the requirement.	3-7														
LIFS	4863	Biotechnology Capstone Project	3														3
LIFS	4873	Biotechnology Project Research I	3														3
LIFS	4883	Biotechnology Project Research II	4														4
SCIE	4500	RE Research Project I	3														3
CHEM		Note: CHEM1010 OR CHEM1020	2-3														
CHEM	1010	General Chemistry IA	3														0
CHEM	1020	General Chemistry IB	2														0
CHEM	1030	General Chemistry II	3														0
CHEM	1050	Laboratory for General Chemistry I	1														1
CHEM	1055	Laboratory for General Chemistry II	1														1
CHEM	2110	Organic Chemistry I	3														3
CHEM	2311	Analytical Chemistry	3														3
CHEM		Note: CHEM2155 OR CHEM2355	1														
CHEM	2155	Fundamental Organic Chemistry Laboratory	1														1
CHEM	2355	Fundamental Analytical Chemistry Laboratory	1														1
ENGG	4000	Biotechnology and Its Business Opportunities	3														3
LANG	3024	Science Communication in English (Life Science)	3														3
LIFS@PH@TEC@BIEN@MED@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														15
Required credits for Major Required Courses and Electives			64-73														56
BBA in General Business Management																	
School Requirements																	
ACCT	2010	Principles of Accounting I	3														3
ACCT	2200	Principles of Accounting II	3														3
ECON	2103	Note: ECON2103 OR ECON2113	3														3
ECON	2113	Principles of Microeconomics	3														3
ECON		Note: ECON2123 OR ECON3123 (Students who wish to pursue BSc: ECOF must take ECON3123)	3														3
ECON	2123	Macroeconomics	3														3
ECON	3123	Macroeconomic Theory I	3														3
FINA	2303	Financial Management	3														3
ISOM	2010	Introduction to Information Systems	3														3
ISOM	2500	Business Statistics	3														3
ISOM	2700	Operations Management	3														3
MARK	2120	Marketing Management	3														3
MGMT	2010	Business Ethics and the Individual	2														2
MGMT	2100	Organizational Behavior	3														3
MGMT	2130	Business Ethics and Social Responsibility	2														2
SBMT	1111	Business Student Induction	0														0
LABU	2040	Business Case Analyses	3														3
LABU	2060	Effective Communication in Business	3														3
MATH	1003	Note: MATH1003 OR MATH1012 OR MATH1013 OR MATH1020 OR MATH1023	3-4														
MATH	1012	Calculus IA	4														0
MATH	1013	Calculus IB	3														0
MATH	1020	Accelerated Calculus	4														0
MATH	1023	Honors Calculus I	3														0
Required credits for School Requirements			43-44														37
Major Requirements																	
Major Required Courses and Electives																	
SBAM		SBAM Electives (Any 9 courses offered by the departments under SBAM, of which at least 4 courses are of 3000-level or above.)	29														29
Required credits for Major Required Courses and Electives			29														29
Additional Requirements																	
Requirements for Dual Degree Program																	
Required Courses																	
TEMC	1010	Technology and Management Professional Activities	0														0
Required credits for Additional Requirements			0														