

<< Declaration of
Being major

<< Declaration of
BBA major

Program:		School of Science and School of Business Management		Student's Pathway													Remarks
Dual Degree Program (BSc in Biotechnology and BBA in Marketing)																	
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																	
COMP	1021	Note: COMP1021 OR COMP1022P OR COMP2011	3			3								3	Students should take COMP 1021, COMP 1022P or COMP 1023 which will also be used to substitute ISOM 2010 and to satisfy ISOM 2020		
COMP	1022P	Introduction to Computer Science	3														
COMP	1023	Introduction to Computing with Java Introduction to Python Programming	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 of the four disciplines: CHEM, LIFS/OCES, MATH/OASC and PHYS, and (ii) 1 laboratory course.]	22-25														
CHEM	1008	Introductory Chemistry	3												LIFS1901 & LIFS1902 are Major Pre-requisite		
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	3												Students are recommended to take CHEM1011, CHEM1012, LIFS1903, LIFS2210 and MATH1013 to satisfy the requirements of both BSCI School requirements and Major requirements		
CHEM	1052	Laboratory for General Chemistry B	1														
DABC	2010	Calculus for Data Analytics in Science	3														
LIFS	1039*	Environmental Science	3														
LIFS	1901G	General Biology I (G)	3														
LIFS	1902G	General Biology II (G)	3														
LIFS	1903	Laboratory for General Biology I	3														
LIFS	1904	Laboratory for General Biology II	1														
LIFS	1930	Nature of Life Sciences	1														
LIFS	2210	Biochemistry I	4														
MATH	1005	Calculus and Statistics	4	10	3	6	3							22			
MATH	1006	Calculus, Vectors, and Matrices	3														
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	4														
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	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 1a 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	3100	Biostatistics	3						3					3			
Note: LIFS4983 OR (LIFS4973 AND LIFS4983) OR (SCIE4500 AND LIFS4983) (Students following RE Track can only use (SCIE4500 AND LIFS4983) to fulfil 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	3														
SCIE	4500	IRE Research Project II	3														
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			
CHEM	2111	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														
Biotechnology Electives (Courses from the specified elective list: 15-18)			15-18														
Students following RE 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	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	15-19						3	4	3	3	3	3	19	Please refer to the curriculum of BCT for details of the requirements of each track.	
Required Credits for School / Major Pre-requisite Requirements			65-79	1	2	3	6	9	11	3	6	9	9	59			
BBA in Marketing																	
School Requirements																	
ACCT	2019	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														
ECON	3123	Macroeconomic Theory I	3														
FINA	2303	Financial Management	3			3								3			
ISOM	2010	Introduction to Information Systems	3	-	-	-	-	-	-	-	-	-	-	0	COMP 1023, COMP 2011 or COMP 2012H are more advanced computing courses as compared to ISOM 2010. Students SHOULD take 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, COMP 2011 or COMP 2012H. These COMP courses are similar or more advanced coding (Python) courses as ISOM 2020.		
ISOM	2500	Business Statistics	3		3									3			
ISOM	2600	Introduction to Business Analytics	1											1			
ISOM	2700	Operations Management	3							3	1			3			
MARK	2120	Marketing Management	3							3				3	MARK 2120 is a major pre-requisite		
MGMT	2010	Business Ethics and the Individual	2		2									2			
MGMT	2110	Organizational Behavior	3			3								3			
MGMT	2120	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)												
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																	
MARK	3220	Marketing Research	4						4					4			
MARK	3420	Consumer Behavior	4							4				4			
MARK	4210	Strategic Marketing	4							4				4			
MARK	MARK 3500-level or above Electives (Any 3 courses of the subject and level as specified)		12								4	4	4	12			
Required Credits for Major Required Courses and Electives			24	0	0	0	0	0	4	4	4	4	4	24			
Additional Requirements 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			
TEMG	1014	T&M Professional Activities IV	0							0	0			0			
TEMG	1015	T&M Professional Activities V	0									0	0	0			
TEMG	3550	T&M Case Analysis and Product Innovation	3		3									3			
TEMG	4500	T&M Corporate Consulting Project	3-6				4							4			
Required Credits for Additional Requirements			7	0	3	0	4	0	0	0	0	0	0	7			
University Common Core Requirement																	
CORE	C3 - C9	U CORE - Others	21							9	6	3	3	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								3			
Sub-total for University CORE			30	4	5	0	0	0	0	9	6	3	3	30			
Term load (incl. free credits)																	
														177			
														18			