

			<< Declaration of BEing major			<< Declaration of BBA major																										
School:		School of Science and School of Business Management																														
Program:		Dual Degree Program (BSc in Biotechnology and BBA in General Business Management)																	Student's Pathway													
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	Year 6 Fall	Year 6 Spring	Year 7 Fall	Year 7 Spring	Remarks														
BSc in Biotechnology																																
School Requirements																																
COMP	1021	Note: COMP1021 OR COMP1022P OR COMP2011	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.														
COMP	1022P	Introduction to Computer Science	3			3																										
COMP	1023	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/DASC and PHYS; and (ii) 1 laboratory course.]	22-26															LIFS 1901 & LIFS1902 are Major Pre-requisite Students are recommended to take CHEM1011, CHEM1012, LIFS1903, LIFS3210 and MATH1013 to satisfy the requirements of both SSCI School requirements and Major requirements														
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															LIFS 1901 & LIFS1902 are Major Pre-requisite Students are recommended to take CHEM1011, CHEM1012, LIFS1903, LIFS3210 and MATH1013 to satisfy the requirements of both SSCI School requirements and Major requirements														
CHEM	1051	Laboratory for General Chemistry A	3																													
CHEM	1052	Laboratory for General Chemistry B	1																													
DASC	2010	Calculus for Data Analytics in Science	3															LIFS 1901 & LIFS1902 are Major Pre-requisite Students are recommended to take CHEM1011, CHEM1012, LIFS1903, LIFS3210 and MATH1013 to satisfy the requirements of both SSCI School requirements and Major requirements														
LIFS	1901*	Environmental Science	3																													
LIFS	1901B	General Biology I (B)	3																													
LIFS	1902B	General Biology II (B)	3															LIFS 1901 & LIFS1902 are Major Pre-requisite Students are recommended to take CHEM1011, CHEM1012, LIFS1903, LIFS3210 and MATH1013 to satisfy the requirements of both SSCI School requirements and Major requirements														
LIFS	1903	Laboratory for General Biology I	3																													
LIFS	1904	Laboratory for General Biology II	1																													
LIFS	1905	Nature of Life Sciences	1															LIFS 1901 & LIFS1902 are Major Pre-requisite Students are recommended to take CHEM1011, CHEM1012, LIFS1903, LIFS3210 and MATH1013 to satisfy the requirements of both SSCI School requirements and Major requirements														
LIFS	2210	Biochemistry I	3																													
MATH	1009	Calculus and Statistics	4																													
MATH	1006	Calculus, Vectors, and Matrices	4															LIFS 1901 & LIFS1902 are Major Pre-requisite Students are recommended to take CHEM1011, CHEM1012, LIFS1903, LIFS3210 and MATH1013 to satisfy the requirements of both SSCI School requirements and Major requirements														
MATH	1013	Calculus I	3																													
MATH	1014	Calculus II	3																													
MATH	1020	Accelerated Calculus	4															LIFS 1901 & LIFS1902 are Major Pre-requisite Students are recommended to take CHEM1011, CHEM1012, LIFS1903, LIFS3210 and MATH1013 to satisfy the requirements of both SSCI School requirements and Major requirements														
MATH	1023	Honors Calculus I	3																													
MATH	1024	Honors Calculus II	3																													
MATH	2011	Introduction to Multivariable Calculus	4															LIFS 1901 & LIFS1902 are Major Pre-requisite Students are recommended to take CHEM1011, CHEM1012, LIFS1903, LIFS3210 and MATH1013 to satisfy the requirements of both SSCI School requirements and Major requirements														
MATH	2023	Multivariable Calculus	4																													
MATH	2111	Matrix Algebra and Applications	3																													
MATH	2121	Linear Algebra	4															LIFS 1901 & LIFS1902 are Major Pre-requisite Students are recommended to take CHEM1011, CHEM1012, LIFS1903, LIFS3210 and MATH1013 to satisfy the requirements of both SSCI School requirements and Major requirements														
MATH	2131	Honors in Linear and Abstract Algebra I	4																													
OCES	1001	The Earth as a Blue Planet	3																LIFS 1901 & LIFS1902 are Major Pre-requisite Students are recommended to take CHEM1011, CHEM1012, LIFS1903, LIFS3210 and MATH1013 to satisfy the requirements of both SSCI School requirements and Major requirements													
OCES	1010	Principles and Applications of Environmental Science	3																													
PHYS	1101	Introductory Physics	4																													
PHYS	1111	General Physics I	3															LIFS 1901 & LIFS1902 are Major Pre-requisite Students are recommended to take CHEM1011, CHEM1012, LIFS1903, LIFS3210 and MATH1013 to satisfy the requirements of both SSCI School requirements and Major requirements														
PHYS	1112	General Physics I with Calculus	3																													
PHYS	1113	Laboratory for General Physics I	3																													
PHYS	1114	General Physics II	3															LIFS 1901 & LIFS1902 are Major Pre-requisite Students are recommended to take CHEM1011, CHEM1012, LIFS1903, LIFS3210 and MATH1013 to satisfy the requirements of both SSCI School requirements and Major requirements														
PHYS	1115	Laboratory for General Physics II	3																													
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	6	3	0	0	0	0	0	0	0	0	25
Major Required Courses and Electives																																
LIFS	1903	Laboratory for General Biology I	1	(1)														Note: Students with level 3 or above in HKDSE To Biology are exempted from taking LIFS 1903														
LIFS	1904	Laboratory for General Biology II	1		1																											
LIFS	2040	Cell Biology	3			3																										
LIFS	2070	Introduction to Biotechnology	3				3											Note: Students with level 3 or above in HKDSE To Biology are exempted from taking LIFS 1903														
LIFS	2090	Plant Biology	3				3																									
LIFS	2210	Biochemistry I	3				(3)																									
LIFS	2220	Biochemistry II	3						3									Note: Students with level 3 or above in HKDSE To Biology are exempted from taking LIFS 1903														
LIFS	3150	Biostatistics	3						3																							
LIFS		Note: LIFS4983 OR (LIFS4973 AND LIFS4983) OR (SCIE4909 AND LIFS4983) (Students following IRE Track can only use (SCIE4909 AND LIFS4983) to fulfil the requirement.)	3-7																													
LIFS	4983	Biotechnology Capstone Project	3															Note: Students with level 3 or above in HKDSE To Biology are exempted from taking LIFS 1903														
LIFS	4973	Biotechnology Project Research I	3																													
LIFS	4983	Biotechnology Project Research II	4																													
SCIE	4909	IRE Research Project I	4															Note: Students with level 3 or above in HKDSE To Biology are exempted from taking LIFS 1903														
CHEM	1011	General Chemistry A: Reactions, Thermodynamics, and Reaction Kinetics	3	(3)																												
CHEM	1012	General Chemistry B: Atomic Structure, Molecules, and Bonding Theories	3		(3)																											
CHEM	1051	Laboratory for General Chemistry A	3	1														Note: Students with level 3 or above in HKDSE To Biology are exempted from taking LIFS 1903														
CHEM	1052	Laboratory for General Chemistry B	1		1																											
CHEM		Note: CHEM 2111 OR CHEM 2311	3																													
CHEM	2111	Fundamentals of Organic Chemistry	3					3										Note: Students with level 3 or above in HKDSE To Biology are exempted from taking LIFS 1903														
CHEM	2311	Analytical Chemistry	3																													
CHEM		Note: CHEM2155 OR CHEM2355	1																													
CHEM	2155	Fundamental Organic Chemistry Laboratory	1					1										Note: Students with level 3 or above in HKDSE To Biology are exempted from taking LIFS 1903														
CHEM	2355	Fundamental Analytical Chemistry Laboratory	1																													
CHEM		Note: CHEM2155 OR CHEM2355	1																													
LIFS/TEC/OCES/PHYS/BIEN/ENG		Biotechnology Elective: Courses from the specified elective list: 15-18 Credits 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					Note: Students with level 3 or above in HKDSE To Biology are exempted from taking LIFS 1903														
Applied Bioscience Track/ Entrepreneurship Track																																
LIFS/ENG/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	3	3																	
Required Credits for School / Major Pre-requisite Requirements																			68-76	1	2	3	6	9	11	3	6	9	9	59		
BBA in General Business Management																																
School Requirements																																
ACCT	2010	Principles of Accounting I	3	3														Note: Students with level 3 or above in HKDSE To Biology are exempted from taking LIFS 1903														
ACCT	2200	Principles of Accounting II	3						3																							
ECON	2103	Note: ECON 2103 OR ECON 2113	3																													
ECON	2113	Principles of Microeconomics	3				3											Note: Students with level 3 or above in HKDSE To Biology are exempted from taking LIFS 1903														
ECON	3123	Principles of Macroeconomics	3																													
ECON	3123	Macroeconomics: Theory I	3					3																								
FINA	2303	Financial Management	3				3											Note: Students with level 3 or above in HKDSE To Biology are exempted from taking LIFS 1903														
ISOM	2010	Introduction to Information Systems	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-															
ISOM	2020	Coding for Business	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Note: Students with level 3 or above in HKDSE To Biology are exempted from taking LIFS 1903														
ISOM	2500	Business Statistics	3			3																										
ISOM	2600	Introduction to Business Analytics	1															Note: Students with level 3 or above in HKDSE To Biology are exempted from taking LIFS 1903														
ISOM	2700	Operations Management	3																													
MARK	2100	Marketing Management	3				3											Note: Students with level 3 or above in HKDSE To Biology are exempted from taking LIFS 1903														
MGMT	2010	Business Ethics and the Individual	2			2																										
MGMT	2110	Organizational Behavior	2			3												Note: Students with level 3 or above in HKDSE To Biology are exempted from taking LIFS 1903														
MGMT	2130	Business Ethics and Social Responsibility	2																													
MATH		Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4															Note: Students with level 3 or above in HKDSE To Biology are exempted from taking LIFS 1903														
MATH	1003	Calculus and Linear Algebra	3																													
MATH	1013	Calculus I	3			(3)																										
MATH	1020	Accelerated Calculus	4															Note: Students with level 3 or above in HKDSE To Biology are exempted from taking LIFS 1903														
MATH	1023	Honors Calculus I	3																													
Required credits for School Requirements																			30-40	3	5	6	6	3	3	3	3	1	0	2	32	
Major Required Courses and Electives																																
SBBA		[SBBA Elective list: 9 courses offered by the departments under SBBA, of which at least 4 courses are of 300-level or above.]	29						3	7	4	6	3	6	3			Note: Students with level 3 or above in HKDSE To Biology are exempted from taking LIFS 1903														
SBBA			23	0	0	0	0	0	3	7	4	6	3	6	29																	
Additional Requirement for Dual Degree																																
Requirements for Dual Degree Program																																
TEMG	1011	T&M Professional Activities I	0	0	0	0												To graduate, students should complete ALL requirements as specified for DDP.														
TEMG	1012	T&M Professional Activities II	0			0	0																									
TEMG	1013	T&M Professional Activities III	0					0	0																							
TEMG	1014	T&M Professional Activities IV	0							0	0																					
TEMG	1015	T&M Professional Activities V	0									0	0																			
TEMG	3950	T&M Case Analysis and Product Innovation	3			3																										
TEMG	4950	T&M Corporate Consulting Project	3-6															Note: Students with level 3 or above in HKDSE To Biology are exempted from taking LIFS 1903														
TEMG			7	0	3	0	0	0	0	0	4	0	0	0	0	7																
Required Credits for Additional Requirements																			7	0	3	0	0	0	0	4	0	0	0	0	7	
University Common Core Requirement																																
CORE	C3 - C9	U CORE - Others	21					3	3									Note: Students with level 3 or above in HKDSE To Biology are exempted from taking LIFS 1903														
CORE	C1 & C2	U CORE - English Language	6	3	3																											
CORE	190																															