The Hong Kong University of Science and Technology

Interdisciplinary Programs Office

An Example on Student's Pathway (as of Summer 2016-17)

BTGBM via SSCI **2015-16 intake**

<< Declaration of major

School:		School of Science and School of Business Management			Student's Pathways (i.e. Study Pattern)										
Department:					Pathway 1										
Program:		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)□ □ Profile: Normative. Students to graduate in (BSc & BBA) BTGBM										
Course □ Offering□ Dept□ (course code prefix)	Course Code	Course Title / Courses List	Credits	Major Pre-req/Substitution	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	0									0	
COMP COMP COMP COMP COMP	 1001□ 1021□ 1022P 1022Q	Note: COMP 1001 OR COMP 1021 OR COMP 1022P OR COMP 1022Q Exploring Multimedia and Internet Computing Introduction to Computer Science Introduction to Computing with Java Introduction to Computing with Excel VBA	3 3 3 3 3				3								3	This course will be used to substitute ISOM 2010
LANG	2010	English for Science I	3						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										3	
CHEM	1020	General Chemistry IB	2												0	
CHEM	1030	General Chemistry II	3			3									3	
CHEM	1050	Laboratory for General Chemistry I	1		(1)										0	
CHEM	1055	Laboratory for General Chemistry II	1			(1)									0	
LIFS	1030	Environmental Science	3												0	
 LIFS	 1901	Note: Students with level 3 or above in HKDSE 1x Biology are exempted from taking LIFS 1901□ General Biology I	0-3 3	 @	3										3	Major Pre-requisite
LIFS	1902	General Biology II	3	@		3									3	Major Pre-requisite
LIFS	1903	Laboratory for General Biology I	1		1										1	
LIFS	1904	Laboratory for General Biology II	1			(1)									0	
LIFS	1930	Nature of Life Sciences	3													
LIFS	2210	Biochemistry I	3				3								3	
MATH	1012	Calculus IA	4												0	
MATH	1013	Calculus IB	3		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								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	27-31												28	
Major Requirements																
Major Required Courses and Electives																
LIFS□ LIFS	 1903	Note: Students with level 3 or above in HKDSE 1x Biology are exempted from taking LIFS 1903 Laboratory for General Biology I	0-1 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	3060	Microbiology	3							3					3	
LIFS	3110	Biotechnological Application of Recombinant DNA Techniques	2						2						2	
LIFS	3140	General Genetics	4								4				4	
LIFS	3210	Principles of Recombinant DNA Technology	1						1						1	
LIFS	4150	Plant Biotechnology	3										3		3	
LIFS	4200	Concepts and Issues in Contemporary Biotechnology	3								3				3	
LIFS / SCIE LIFS LIFS LIFS SCIE	 4963 4973 4983 4500	Note: LIFS 4963 OR (LIFS 4973 AND LIFS 4983) OR (SCIE 4500 AND LIFS 4983) [Students following IRE Track can only use (SCIE 4500 AND LIFS 4983) to fulfill the requirement.] Biotechnology Capstone Project Biotechnology Project Research I Biotechnology Project Research II IRE Research Project II	3-7 3 3 4 3										[3]	3	3	
CHEM CHEM CHEM	 1010 1020	Note: CHEM 1010 OR CHEM 1020 General Chemistry IA General Chemistry IB	2-3 3 2		-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 CHEM CHEM	 2110 2311	Note: CHEM 2110 OR CHEM 2311 Organic Chemistry I Analytical Chemistry	3 3 3						3						3	
CHEM□ CHEM□ CHEM	□ 2155□ 2355	Note: CHEM 2155 OR CHEM 2355□ Fundamental Organic Chemistry Laboratory□ Fundamental Analytical Chemistry Laboratory	1 1 1							1					1	
CENG	1600	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]	2	2
LIFS / CENG		Biotechnology Electives (Courses from the specified elective list; Students following IRE Track are required to take a minimum of 12 credits; while others a minimum of 15 credits. Courses taken as Major/Track Required Courses may not be counted towards the elective requirement.)	12-15							3		3	6	3	15	
		Required credits for Major Required Courses and Electives	61-70												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 ECON ECON	 2103 2113	Note: ECON 2103 OR ECON 2113 Principles of Microeconomics Microeconomics	3 3 3					3							3	
ECON ECON ECON	 2123 3123	Note: ECON 2123 OR ECON 3123 (Students who wish to pursue BSc ECOF must take ECON 3123) Macroeconomics Macroeconomic Theory I	3 3 3						3						3	
FINA	2303	Financial Management	3							3					3	
ISOM	2010	Introduction to Information Systems	3		---	---	---	---	---	---	---	---	---	---	0	Substituted by COMP 1001/1021/1022P/1022O
ISOM	2500	Business Statistics	3					3							3	
ISOM	2700	Operations Management	3							3					3	
MARK	2120	Marketing Management	3							3					3	
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
SBMT	2010	Business Ethics and the Individual	2								2				2	
LABU	2020**	Effective Communication in Business**	2										2		2	
LABU LABU LABU LABU	 2050 2051□ 2052	Note: LABU 2050 OR (LABU 2051 AND LABU 2052) (Students who wish to pursue BBA GBUS must take LABU 2050 while others must take LABU 2051 and LABU 2052) Honors Business Case Analyses Business Case Analyses I Business Case Analyses II	3-4 3 2 2				2	2							4	
MATH MATH MATH MATH MATH MATH	 1003 1012 1013 1020 1023	Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra Calculus IA Calculus IB Accelerated Calculus Honors Calculus I	3-4 3 4 3 4 3		-3										0	DDP students should take MATH 1013 OR MATH 1023 to satisfy the requirements of both BSc and BBA degrees
		Required credits for School Requirements	42-44												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					6	3		3	7	3	7	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	
		Required credits for Additional Requirements	0												0	
University CORE																
CORE	C3 - C12	U CORE - Others	30		6	6	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)							
					20	17	20	20	19	19	18	19	19	15		
									180##							

<< 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):

>> 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.